U41W2 D9

U42W2 A5A9

U43W2 VA13A5A9

U43W2 PGA5A9

Compliance Data:

ATEX – IECEx:

Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IEC	CE
Ex de IIC / Ex demb IIC	T6	Ex tD A21	T75°C	IP66 – IK09

Voltage and Amperage:

Voltage	Amperage	Pilot Light Voltage
Up to 500 V	16 A	12 Vac to 254 Vac 50/60 Hz and 12 Vdc to 60 Vdc

Operating Temperature:

-20°C to +55°C

CONTROL STATIONS & SWITCHES

Appleton®

Zone 1 & 2 – 21 & 22
⟨Ex⟩ II 2 GD
ATEX / IECEx
IP66 – IK10

Applications:

- Local control stations and motor control stations for use in hazardous areas covering the broadest possible range of applications.
- Control of equipment at power plants, chemical and petrochemical plants, petroleum refineries, reverse osmosis plants, pulp and paper processing plants and various industrial applications.
- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors in hazardous locations. They provide circuit control and/or selection.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or hazardous location.
- For use in wash down areas.

Features - Polyamide:

- Employs Ex de (factory sealed) operators including push buttons, illuminated push buttons, selector switches, control and load break switches, contact blocks, pilot lights (LED), and terminal blocks.
- Pilot light employs high intensity single LED with lifetime of 100,000 hours that can be used at:
  - 12 Vac to 254 Vac 50/60 Hz
  - 12 Vdc to 60 Vdc
- Enclosures are rated for IP66 with firmly secured gasket.
- Operators and contact blocks are spaced so as to have easy and ample space for wiring.
- Wide selection of cable glands, union adapter entries at top and bottom locations.

- Choice of DIN rail mounted high performance contact block suitable for low intensity (less than 5mA).
- TS35 rail mounted components held securely in place during operation and easily removed for service.
- Brass Inserts are provided for TS35 DIN rails or mounting plate to be installed inside the enclosure.
- Captive, corrosion resistant stainless steel cover screws.

Standard Material of Fixtures:

- Polyamide, black finish.
- Stainless steel cover screws.
- Polyamide cable gland and blanking plug.

Accessories:

- Key for changing actuator blocks.
- Guard for mushroom head actuator.
- Padlockable guard.
- M5 earth stud.
- Combination drain and breather available in brass, polyamide and stainless steel.

Options:

- Nameplates: Lamacoid with different color combinations. Stainless steel.
- Padlocking facility at left, center, right or any position on selector switches.
- Padlocking facility for momentary and maintained push buttons.
- Special contact arrangements available upon request, see options for details.

Ordering Information:

Size 1 Polyamide Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide (Ø 6.5 to 14.5 mm), 2 locknuts.

Version	Description/Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Impulse Push Button						
	Green insert 'I' + red insert 'O' with 1NO + 1NC momentary contacts		2 x M20	**U41W2 A3**	0.48	2.5
	1x green push button "I" with 1NO momentary contact		2 x M20	**U41W2 A5**	0.48	2.5
	1x red push button "O" with 1NC momentary contact		2 x M20	**U41W2 A9**	0.48	2.5
Emergency Stop						
	Red mushroom head push-pull 1NC maintained contact		2 x M20	**U41W2 D9**	0.48	2.5
	Red mushroom head push-pull 1NO + 1NC maintained contacts		2 x M20	**U41W2 D3**	0.48	2.5
	Red mushroom head key release 1NC maintained contact		2 x M20	**U41W2 C9**	0.48	2.5
	Red mushroom head key release 1NO + 1NC maintained contacts		2 x M20	**U41W2 C3**	0.48	2.5

CONTROL STATIONS & SWITCHES

⊛ **Appleton**®

Zone 1 & 2 – 21 & 22
Ⓔⓧ *II 2 GD*
ATEX / IECEx
IP66 – IK10
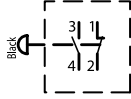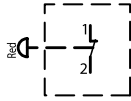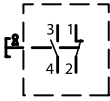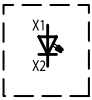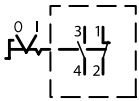
Ordering Information - Continued:

Size 1 Polyamide Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom
clearance entries, 1 blanking plug, 1 cable gland in polyamide (Ø 6.5 to 14.5 mm), 2 locknuts.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Mushroom Head Push Button						
	Black mushroom head push button 1NO + 1NC momentary contacts		2 x M20	**U41W2 B3**	0.48	2.5
	Red mushroom head push button 1NC momentary contact		2 x M20	**U41W2 R9**	0.48	2.5
Key Push Button						
	With key removable in both positions 1NO + 1NC maintained contacts		2 x M20	**U41W2 E3**	0.48	2.5
Pilot Light						
	1x red pilot light (1)		2 x M20	**U41W2 PR**	0.48	2.5
	1x green pilot light (1)		2 x M20	**U41W2 PG**	0.48	2.5
	1x blue pilot light (1)		2 x M20	**U41W2 PB**	0.48	2.5
	1x yellow pilot light (1)		2 x M20	**U41W2 PY**	0.48	2.5
	1x white pilot light (1)		2 x M20	**U41W2 PW**	0.48	2.5
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
2-Position Selector Switch						
	2 fixed positions ' 0 - I ' 1NO + 1NC contacts		2 x M20	**U41W2 H3**	0.48	2.5
3-Position Selector Switch						
	3 fixed positions ' I - 0 - II ' 2NO contact		2 x M20	**U41W2 J1**	0.48	2.5
	3 positions ' I - 0 - II ' With spring return from I to 0 1NO + 1NC contacts		2 x M20	**U41W2 N3**	0.48	2.5
	3 positions ' I - 0 - II ' With spring return from II to 0 1NO + 1NC contacts		2 x M20	**U41W2 M3**	0.48	2.5

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

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Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IECEx
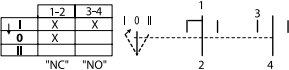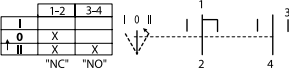*IP66 – IK10*

Ordering Information - Continued:

Size 2 Polyamide Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide (Ø 6.5 to 14.5 mm), 2 locknuts.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Push Buttons						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	U42W2 A5A9	0.62	2.5
	1x green push button 'I' with 1NO + 1NC contacts 1x red push button 'O' with 1NO + 1NC contacts Momentary contacts		2 x M20	U42W2 A3A3	0.62	2.5
Push Button + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO momentary contact 1x red mushroom head push-pull with 1NC maintained contact		2 x M20	U42W2 A5D9	0.62	2.5
	1x green push button 'I' with 1NO + 1NC momentary contacts 1x red mushroom head push-pull with 1NO + 1NC maintained contacts		2 x M20	U42W2 A3D3	0.62	2.5
Pilot Light + Push Button						
	1x green light (1) 1x green push button 'I' with 1NO Momentary contact		2 x M20	U42W2 PGA5	0.62	2.5
	1x green light (1) 1x green push button 'I' with 1NO + 1NC Momentary contacts		2 x M20	U42W2 PGA3	0.62	2.5
	1x red light (1) 1x red push button 'O' with 1NC Momentary contact		2 x M20	U42W2 PRA9	0.62	2.5
	1x red light (1) 1x red push button 'O' with 1NO + 1NC Momentary contacts		2 x M20	U42W2 PRA3	0.62	2.5

(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

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Zone 1 & 2 – 21 & 22
Ⓔⓧ **II 2 GD**
ATEX / IECEx
IP66 – IK10

Ordering Information - Continued:
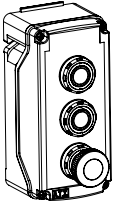
Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Ammeter						
	1x ammeter 48 x 48 mm, 1A C.T., 3 F.L.C., with 0 - 1 - 3 scale		2 x M20	**U42W2 VA13**	0.56	2.5
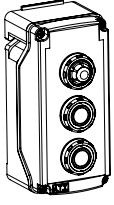
Size 3 Polyamide Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide (Ø 6.5 to 14.5 mm), 2 locknuts.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Push Buttons + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts 1x red mushroom head push-pull emergency button with 1NO + 1NC maintained contacts		2 x M20	**U43W2 A5A9D3**	0.78	2.5
	1x green push button 'I' with 1NO + 1NC contacts 1x red push button 'O' with 1NO + 1NC contacts Momentary contacts 1x red mushroom head push-pull emergency button with 1NO + 1NC maintained contacts		2 x M20	**U43W2 A3A3D3**	0.78	2.5
Pilot Light + Twin Push Buttons						
	1x green light (1) 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	**U43W2 PGA5A9**	0.78	2.5
	1x red light (1) 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NO contact Momentary contacts		2 x M20	**U43W2 PRA5A9**	0.78	2.5
	1x green light (1) 1x green push button 'I' with 1NO + 1NC contacts 1x red push button 'O' with 1NO + 1NC contacts Momentary contacts		2 x M20	**U43W2 PGA3A3**	0.78	2.5
	1x red light (1) 1x green push button 'I' with 1NO + 1NC contacts 1x red push button 'O' with 1NO + 1NC contacts Momentary contacts		2 x M20	**U43W2 PRA3A3**	0.78	2.5

(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

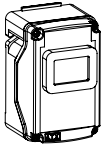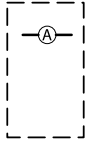**⊛ Appleton®**

Zone 1 & 2 – 21 & 22
⟨Ex⟩ II 2 GD
ATEX / IECEx
IP66 – IK10
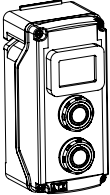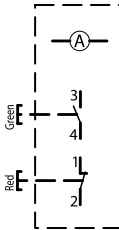
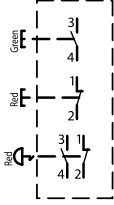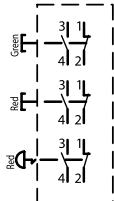## Ordering Information - Continued:
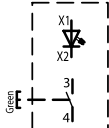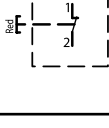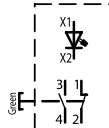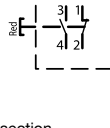
Size 3 Polyamide Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide (Ø 6.5 to 14.5 mm), 2 locknuts.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Ammeter + Twin Push Buttons	1x ammeter 48 x 48 mm, 1A C.T., 3 F.L.C., with 0 - 1 - 3 scale 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	U43W2 VA13A5A9	0.80	2.5
Ammeter + 3-Position Selector Switch	1x ammeter 48 x 48 mm, 1A C.T., 3 F.L.C., with 0 - 1 - 3 scale 1x 3-position selector switch 'I - 0 - II' with spring return from II to 0 1NO + 1NC contacts		2 x M20	U43W2 VA13M3	0.80	2.5
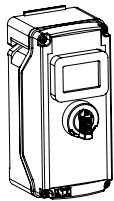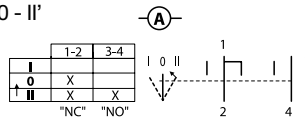
Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

Special Accessories for Polyamide Enclosure:

Brass Earthing Plate for 2 x M20

Equipped with 2 earth connections — 098661

Tube or Fame Fixing

FOR SIZE 1 ONLY
For all tube (diameter ≥ 80 mm)
Using a metal strip (not supplied) maximum width 22 mm — 098656

Ⓐ Appleton®

Zone 1 & 2 – 21 & 22
Ⓔ *II 2 GD*
ATEX / IECEx
IP66 – IK10

Accessories:

Description		Catalog Number	
Nameplates (set of 10)	**Color**		**Pack**
Blank self-adhesive, laminated plastic 58 x 18 mm	White (black letters)	**UNPW**	1
	Yellow (black letters)	**UNPY**	1
	Red (white letters)	**UNPR**	1
	Blue (white letters)	**UNPB**	1
	Black (white letters)	**UNPN**	1
	Green (white letters)	**UNPG**	1

Standard Legend Plates:
Self-adhesive yellow laminated plastic (black lettering)

Text	Small	Large	Pack
Blank (set of 10)	ULPS	ULPL	1
ON	ULPSA 01	ULPLA 01	1
OFF	ULPSA 02	ULPLA 02	1
FORWARD	ULPSA 03	ULPLA 03	1
REVERSE	ULPSA 04	ULPLA 04	1
JOG	ULPSA 05	ULPLA 05	1
RUN	ULPSA 06	ULPLA 06	1
START	ULPSA 07	ULPLA 07	1
STOP	ULPSA 08	ULPLA 08	1
UP	ULPSA 09	ULPLA 09	1
DOWN	ULPSA 10	ULPLA 10	1
FAST	ULPSA 11	ULPLA 11	1
SLOW	ULPSA 12	ULPLA 12	1
RAISE	ULPSA 13	ULPLA 13	1
LOWER	ULPSA 14	ULPLA 14	1
OPEN	ULPSA 15	ULPLA 15	1
CLOSE	ULPSA 16	ULPLA 16	1
LOW	ULPSA 17	ULPLA 17	1
HIGH	ULPSA 18	ULPLA 18	1
TEST	ULPSA 19	ULPLA 19	1
RESET	ULPSA 20	ULPLA 20	1
EMERGENCY STOP	ULPSA 21	ULPLA 21	1
MARCHE	ULPSA 22	ULPLA 22	1
ARRET	ULPSA 23	ULPLA 23	1
ARRET D'URGENCE	ULPSA 24	ULPLA 24	1
HAUT	ULPSA 25	ULPLA 25	1
BAS	ULPSA 26	ULPLA 26	1

Inserts for Push button (set of 5):

Marking		Color	Catalog Number	Pack
(unmarked)		Green	UIA G	1
(unmarked)		Red	UIA R	1
(unmarked)		Yellow	UIA Y	1
(unmarked)		White	UIA W	1
(unmarked)		Blue	UIA B	1
(unmarked)		Black	UIA N	1
ON		Green	UIA 01	1
OFF		Red	UIA 02	1
START		Green	UIA 03	1
STOP		Red	UIA 04	1
MARCHE		Green	UIA 05	1
ARRET		Red	UIA 06	1
I		Green	UIA 07	1
O		Red	UIA 08	1

Two sizes available

Small Size   Large Size

ULPS   ULPL

Text	Small	Large	Pack
O - I	ULPSH 01	ULPLH 01	1
ON - OFF	ULPSH 02	ULPLH 02	1
START - STOP	ULPSH 03	ULPLH 03	1
STOP - START	ULPSH 04	ULPLH 04	1
HAND - AUTO	ULPSH 05	ULPLH 05	1
MANU - AUTO	ULPSH 06	ULPLH 06	1
FORWARD - REVERSE	ULPSH 07	ULPLH 07	1
REMOTE - LOCAL	ULPSH 08	ULPLH 08	1
MARCHE - ARRET	ULPSH 09	ULPLH 09	1

Text	Small	Large	Pack
I - O - II	ULPSJ 01	ULPLJ 01	1
OFF - O -ON	ULPSJ 02	ULPLJ 02	1
START - NORMAL - STOP	ULPSJ 03	ULPLJ 03	1
HAND - OFF - AUTO	ULPSJ 04	ULPLJ 04	1
MANU - O - AUTO	ULPSJ 05	ULPLJ 05	1
FORWARD - OFF - REVERSE	ULPSJ 06	ULPLJ 06	1
LOCAL - REMOTE - AUTO	ULPSJ 07	ULPLJ 07	1
LOCAL - O - REMOTE	ULPSJ 08	ULPLJ 08	1
MARCHE - NORMAL - ARRET	ULPSJ 09	ULPLJ 09	1

Inserts for Illuminated Push button (set of 5):

Marking		Color	Catalog Number	Pack
(unmarked)		Green	UIL G	1
(unmarked)		Red	UIL R	1
(unmarked)		Yellow	UIL Y	1
(unmarked)		White	UIL W	1
(unmarked)		Blue	UIL B	1
ON		Green	UIL 01	1
OFF		Red	UIL 02	1
START		Green	UIL 03	1
STOP		Red	UIL 04	1
MARCHE		Green	UIL 05	1
ARRET		Red	UIL 06	1
I		Green	UIL 07	1
O		Red	UIL 08	1

Spare Key
For all key-operated buttons.

Description	Catalog Number	Pack
Spare key type 4 A 185	SK4A185	1

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or contact us at +33.3.22.54.27.54. © September 2009

ATX Product Catalog

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CONTROL STATIONS & SWITCHES

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Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IECEx
IP66 – IK10

Accessories - Continued:

	Description	Catalog Number
	Additional Contacts Each actuator is capable of activating 3 contacts. Exception: Illuminated push button and all actuators with key: 2 contacts maximum 1NO contact 1NC contact	 UCB5R UCB9R
	Yellow Guard Mushroom head protection for emergency stop	098657
	Padlockable Guard Stainless steel and plastic cover, capacity: 3 padlocks dia. 6 mm maximum (not supplied) For push button and rotary actuator For mushroom head actuator	 UPLD1S UPLD2S
	Cable Gland Exe For unarmored cable Exe - IP66 - in polyamide entry thread seal M20 (capacity 6.5-14.5 mm)	 095605
	For armored cable Exe / Exd - IP66 - in nickel plated brass (without entry thread seal) Braid and Tape type: M20 (inner: 6.4-14.0 / outer: 12.5-20.9 mm) Single Wired Armor (SWA): M20 (inner: 6.4-14.0 / outer: 12.5-20.9 mm)	 20E1FX5 20E1FW5
	Adaptors Exd / Exe - IP66 in nickel plated brass (without entry thread seal) Male M20 - Female 1/2" NPT Male M20 - Female 3/4" NPT	 737DM2T15 737DM2T25
	Entry Thread Seal M20 (in black neoprene) M20 (in white nylon)	 20ETS 20ETS2
	Combination Drain and Breather Exe - IP66 - supplied with entry thread seal and locknut M20 male thread in Polyamide M20 male thread in Brass M20 male thread in Stainless Steel	 DBE20P DBE20B DBE20S
	Feedthrough Earth Stud Terminal Exe - IP66 – supplied with weatherproof seal and green/yellow earth conductor (length 300 mm) M20 with M5 earth and 2.5 mm² conductor	 PREESTM20

Padlockable Guard dimensions: 26 (UPLD1S) / 33 (UPLD2S), 49.5, 67.6

CONTROL STATIONS & SWITCHES

⟨Ⓐ⟩ **Appleton**®

Control Stations & Switches: Control Stations – Increased Safety

Unicode 2 Series: Polyamide Control Stations

Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
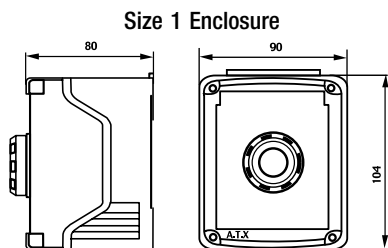*ATEX / IECEx*
IP66 – IK10

Compliances:

| Hazardous Area	Gas	Dust
Certified Type	PCe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 ⟨Ex⟩ II 2 G	CE 0081 ⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex de IIC / Ex demb IIC	Ex tD A21
Symbol of Protection IEC		
T Rating	T6	N.A.
Surface Temperature	N.A.	T75°C
Ambient Temperature	-20°C to +55°C	
CE Declaration of Conformity	50221	
ATEX Certificate	LCIE 00 ATEX 6047	
IEC Certificate	LCIE Ex 00.017	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK09	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 60079-7; 60079-18; 61241-0; 61241-1
Product Standards	EN / IEC 60947-1; 60947-5
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

Dimensions (mm):

Size 1 Enclosure

Size 2 Enclosure

Size 1 Fixing Details

Size 3 Enclosure

Size 2 & 3 Fixing Details

Appleton
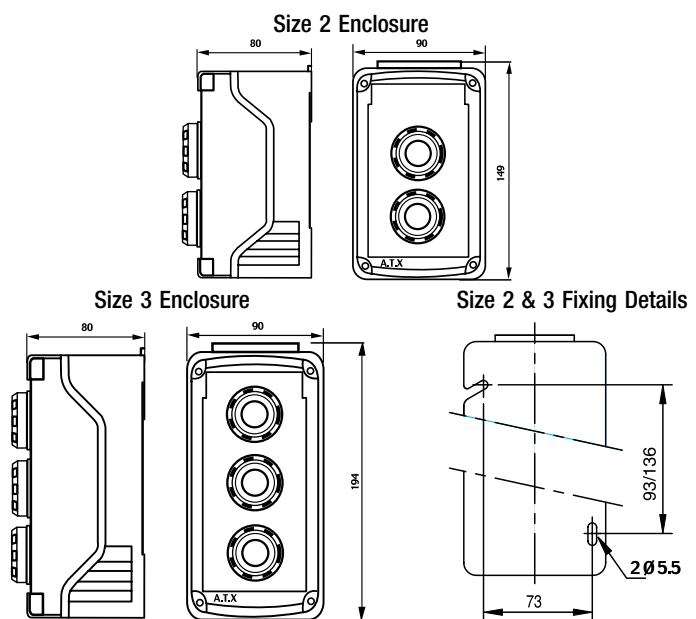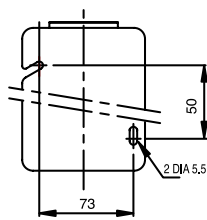
U22W2 PGA5

U23W2 PRA3A3

U21W2 D3

U21W2 J1

Compliance Data:

ATEX – IECEx:

Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IECEx	CE
Ex de IIC / Ex demb IIC	T6	Ex tD A21	T75°C	IP66 - IK10

Voltage and Amperage:

Voltage	Amperage	Pilot Light Voltage		
Up to 500 V	16 A	12 Vac to 250 Vac 50/60 Hz and 12 Vdc to 60 Vdc		

Operating Temperature:

-55°C to +60°C -40°C to +60°C -25°C to +60°C (depending on type of actuator)				

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Control Stations & Switches: Control Stations – Increased Safety

Unicode 2 Series: Polyester Control Stations

Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IECEx
IP66 – IK10

Applications:

- Local control stations and motor control stations for use in hazardous areas covering the broadest possible range of applications.
- Control of equipment at power plants, chemical and petrochemical plants, petroleum refineries, reverse osmosis plants, pulp and paper processing plants and various industrial applications.
- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors in hazardous locations. They provide circuit control and/or selection.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or hazardous location.
- For use in wash down areas.

Features:

- Employs Ex de (factory sealed) operators including push buttons, illuminated push buttons, selector switches, control and load break switches, contact blocks, pilot lights (LED), and terminal blocks.
- Pilot light employs high intensity single LED with lifetime of 100,000 hours that can be used at 12 Vac to 254 Vac 50/60 Hz, 12 Vdc to 60 Vdc.
- Enclosures are rated for IP66 with firmly secured gasket.
- Operators and contact blocks are spaced so as to have easy and ample space for wiring.
- Wide selection of cable glands, union adapter entries at top and bottom locations.
- Choice of DIN rail mounted high performance contact block suitable for low intensity (less than 5mA).
- TS35 rail mounted components held securely in place during operation and easily removed for service.
- Brass inserts are provided for TS35 DIN rails or mounting plate to be installed inside the enclosure.
- Captive, corrosion resistant stainless steel cover screws.

Standard Material of Fixtures:

- Fiberglass reinforced polyester, black finish.
- Stainless steel cover screws.
- Polyamide cable gland and blanking plug.

Accessories:

- Key for changing actuator blocks.
- Guard for mushroom head actuator.
- Padlockable guard.
- M5 and M6 earth stud.
- Combination drain and breather available in brass, polyamide and stainless steel.
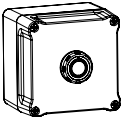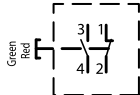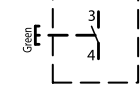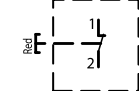
Options:

- Nameplates: Lamacoid with different color combinations. Stainless steel.
- Padlocking facility at left, center, right or any position on selector switches.
- Padlocking facility for momentary and maintained push buttons.
- Special contact arrangements available upon request, see options for details.

Ordering Information:

Size 1 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 2 bottom threaded entries, 1 blanking plug, 1 cable gland in polyamide.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Impulse Push Button						
	Green insert 'I' + red insert 'O' with 1NO + 1NC momentary contact		2 x M20	**U21W2 A3**	1	4
			2 x M25	**U21W4 A3**	1	4
	1x green push button 'I' with 1NO momentary contact		2 x M20	**U21W2 A5**	1	4
			2 x M25	**U21W4 A5**	1	4
	1x red push button 'O' with 1NC momentary contact		2 x M20	**U21W2 A9**	1	4
			2 x M25	**U21W4 A9**	1	4

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

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Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IECEx
IP66 – IK10

Ordering Information - Continued:

Size 1 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate,
1 brass earth continuity plate, 2 bottom threaded entries, 1 blanking plug,
1 cable gland in polyamide.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Impulse Push Buttons						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20 2 x M25	U21W2 A5A9 U21W4 A5A9	1.1 1.1	4 4
	1x green push button 'I' with 1NO + 1NC contact 1x red push button 'O' with 1NO + 1NC contact Momentary contacts		2 x M20 2 x M25	U21W2 A3A3 U21W4 A3A3	1.1 1.1	4 4
Emergency Stop						
	Red mushroom head push-pull 1NC maintained contact		2 x M20 2 x M25	U21W2 D9 U21W4 D9	1 1	4 4
	Red mushroom head push-pull 1NO + 1NC maintained contact		2 x M20 2 x M25	U21W2 D3 U21W4 D3	1 1	4 4
	Red mushroom head key release 1NC maintained contact		2 x M20 2 x M25	U21W2 C9 U21W4 C9	1 1	4 4
	Red mushroom head key release 1NO + 1NC maintained contact		2 x M20 2 x M25	U21W2 C3 U21W4 C3	1 1	4 4
Push Pull Emergency Stop + Push Button						
	1x red mushroom head push-pull with 1NC maintained contact 1x green push button 'I' with 1NO momentary contact		2 x M20 2 x M25	U21W2 D9A5 U21W4 D9A5	1.1 1.1	4 4
Mushroom Head Push Button						
	Black mushroom head push button 1NO + 1NC momentary contact		2 x M20 2 x M25	U21W2 B3 U21W4 B3	1 1	4 4
	Red mushroom head push button 1NC momentary contact		2 x M20 2 x M25	U21W2 R9 U21W4 R9	1 1	4 4

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

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CONTROL STATIONS & SWITCHES

Control Stations & Switches: Control Stations – Increased Safety

Unicode 2 Series: Polyester Control Stations
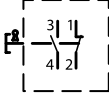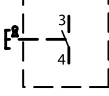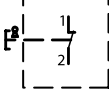
Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IECEx
IP66 – IK10

Ordering Information - Continued

Size 1 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate,
1 brass earth continuity plate, 2 bottom threaded entries, 1 blanking plug,
1 cable gland in polyamide.

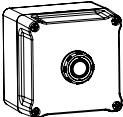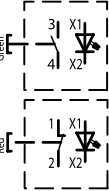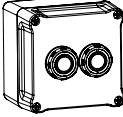| Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Key Push Button						
	With key removable in both positions 1NO + 1NC maintained contact		2 x M20 2 x M25	U21W2 E3 U21W4 E3	1 1	4 4
	With key removable in both positions 1NO maintained contact		2 x M20 2 x M25	U21W2 E5 U21W4 E5	1 1	4 4
	With key removable in both positions 1NC maintained contact		2 x M20 2 x M25	U21W2 E9 U21W4 E9	1 1	4 4
Pilot Light						
	1x red pilot light (1)		2 x M20 2 x M25	U21W2 PR U21W4 PR	1 1	4 4
	1x green pilot light (1)		2 x M20 2 x M25	U21W2 PG U21W4 PG	1 1	4 4
	1x blue pilot light (1)		2 x M20 2 x M25	U21W2 PB U21W4 PB	1 1	4 4
	1x yellow pilot light (1)		2 x M20 2 x M25	U21W2 PY U21W4 PY	1 1	4 4
	1x white pilot light (1)		2 x M20 2 x M25	U21W2 PW U21W4 PW	1 1	4 4
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Twin Pilot Lights						
	1x green pilot light (1)		2 x M20	U21W2 PGPR	1.1	4
	1x red pilot light (1)		2 x M25	U21W4 PGPR	1.1	4
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Illuminated Push Button						
	1x green illuminated (1) push button with 1NO momentary contact		2 x M20 2 x M25	U21W2 LG5 U21W4 LG5	1 1	4 4
	1x red illuminated (1) push button with 1NC momentary contact		2 x M20 2 x M25	U21W2 LR9 U21W4 LR9	1 1	4 4
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Twin Illuminated Push Buttons						
	1x green illuminated push button with 1NO contact 1x red illuminated push button with 1NC contact Momentary contacts		2 x M20 2 x M25	U21W2 LG5LR9 U21W4 LG5LR9	1.1 1.1	4 4
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

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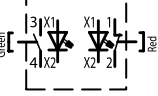
Zone 1 & 2 – 21 & 22
Ⓔⓧ *II 2 GD*
ATEX / IECEx
IP66 – IK10

Ordering Information - Continued

Size 1 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 2 bottom threaded entries, 1 blanking plug, 1 cable gland in polyamide.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
2-Position Selector Switch						
	2 fixed positions '0 - I' 1NO + 1NC contact		2 x M20	U21W2 H3	1	4
			2 x M25	U21W4 H3	1	4
3-Position Selector Switch						
	3 fixed positions 'I - 0 - II' 2NO contact		2 x M20	U21W2 J1	1	4
			2 x M25	U21W4 J1	1	4
	3 positions 'I - 0 - II' with spring return from I to 0 1NO + 1NC contact		2 x M20	U21W2 N3	1	4
			2 x M25	U21W4 N3	1	4
	3 positions 'I - 0 - II' with spring return from II to 0 1NO + 1NC contact		2 x M20	U21W2 M3	1	4
			2 x M25	U21W4 M3	1	4

Size 2 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 2 bottom threaded entries, 1 blanking plug, 1 cable gland in polyamide.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Push Buttons						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	U22W2 A5A9	1.2	4
			2 x M25	U22W4 A5A9	1.2	4
	1x green push button 'I' with 1NO + 1NC contact 1x red push button 'O' with 1NO + 1NC contact Momentary contacts		2 x M20	U22W2 A3A3	1.2	4
			2 x M25	U22W4 A3A3	1.2	4
Push Button + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO momentry contact 1x red mushroom head push-pull with 1NC maintained contact		2 x M20	U22W2 A5D9	1.2	4
			2 x M25	U22W4 A5D9	1.2	4
	1x green push button 'I' with 1NO + 1NC momentry contact 1x red mushroom head push-pull with 1NO + 1NC maintained contact		2 x M20	U22W2 A3D3	1.2	4
			2 x M25	U22W4 A3D3	1.2	4

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

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Control Stations & Switches: Control Stations – Increased Safety

Unicode 2 Series: Polyester Control Stations

Ordering Information - Continued

Size 2 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 2 bottom threaded entries, 1 blanking plug, 1 cable gland in polyamide.

Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Push Buttons + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO contact		2 x M20	U22W2 A5A9D9	1.3	4
	1x red push button 'O' with 1NC contact		2 x M25	U22W4 A5A9D9	1.3	4
	Momentary contacts					
	1x red mushroom head push-pull					
	with 1x NC maintained contact					
Pilot Light + Push Button						
	1x green light (1)		2 x M20	U22W2 PGA5	1.2	4
	1x green push button 'I' with 1NO		2 x M25	U22W4 PGA5	1.2	4
	Momentary contact					
	1x green light (1)		2 x M20	U22W2 PGA3	1.2	4
	1x green push button 'I' with 1NO + 1NC		2 x M25	U22W4 PGA3	1.2	4
	Momentary contacts					
	1x red light (1)		2 x M20	U22W2 PRA9	1.2	4
	1x red push button 'O' with 1NC		2 x M25	U22W4 PRA9	1.2	4
	Momentary contact					
	1x red light (1)		2 x M20	U22W2 PRA3	1.2	4
	1x red push button 'O' with 1NO + 1NC		2 x M25	U22W4 PRA3	1.2	4
	Momentary contact					
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Pilot Light + Twin Push Buttons						
	1x green light (1)		2 x M20	U22W2 PGA5A9	1.3	4
	1x green push button 'I' with 1NO		2 x M25	U22W4 PGA5A9	1.3	4
	1x red push button 'O' with 1NC					
	Momentary contacts					
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Twin Pilot Lights + Twin Push Buttons						
	1x green light + 1x red light (1)		2 x M20	U22W2 PGPRA5A9	1.3	4
	1x green push button 'I' with 1NO		2 x M25	U22W4 PGPRA5A9	1.3	4
	1x red push button 'O' with 1NC					
	Momentary contacts					
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

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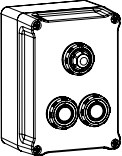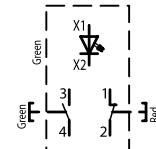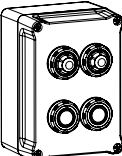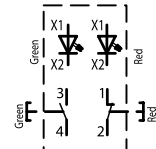
Zone 1 & 2 – 21 & 22
Ex II 2 GD
ATEX / IECEx
IP66 – IK10

Ordering Information - Continued

Size 2 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 2 bottom threaded entries, 1 blanking plug, 1 cable gland in polyamide.

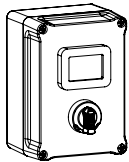| Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Ammeter + 3-Position Selector Switch						
	1x ammeter 48 x 48 mm, 1A C.T., 3 F.L.C., with 0 - 1 - 3 scale		2 x M20	U22W2 VA13M3	1.2	4
	1x switch 3 positions 'I - 0 - II' with spring return from II to 0 1NO + 1NC contact		2 x M25	U22W4 VA13M3	1.2	4

Size 3 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 1 brass earth continuity plate, 2 bottom threaded entries, 1 blanking plug, 1 cable gland in polyamide.
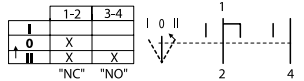
Version	Description/ Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Push Buttons + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO contact		2 x M20	U23W2 A5A9D3	1.4	6
	1x red push button 'O' with 1NC contact Momentary contacts 1x red mushroom head push-pull Emergency button with 1NO + 1NC Maintained contacts		2 x M25	U23W4 A5A9D3	1.4	6
Pilot Light + Twin Push Buttons						
	1x green light (1) 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20 2 x M25	U23W2 PGA5A9 U23W4 PGA5A9	1.4 1.4	6 6
	1x red light (1) 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20 2 x M25	U23W2 PRA5A9 U23W4 PRA5A9	1.4 1.4	6 6
	1x green light (1) 1x green push button 'I' with 1NO + 1NC contact 1x red push button 'O' with 1NO + 1NC contact Momentary contacts		2 x M20 2 x M25	U23W2 PGA3A3 U23W4 PGA3A3	1.4 1.4	6 6
	1x red light (1) 1x green push button 'I' with 1NO + 1NC contact 1x red push button 'O' with 1NO + 1NC contact Momentary contacts		2 x M20 2 x M25	U23W2 PRA3A3 U23W4 PRA3A3	1.4 1.4	6 6

(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

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Control Stations & Switches: Control Stations – Increased Safety

Unicode 2 Series: Polyester Control Stations

Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IECEx
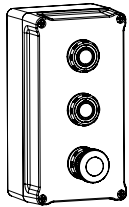*IP66 – IK10*

Ordering Information - Continued

Size 3 Polyester Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 1 brass earth
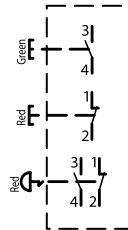continuity plate, 2 bottom threaded entries, 1 blanking plug, 1 cable gland in polyamide.

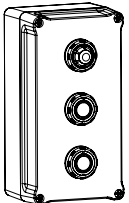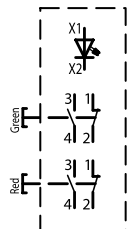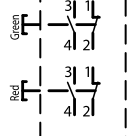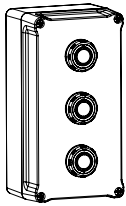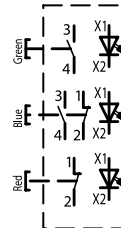| Version	Description/Function	Diagram	Bottom Entries	Catalog Number	Weight (kg)	Volume (dm³)
Triple Illuminated Push Buttons						
	1x green illuminated push button with 1NO contact (1) 1x blue illuminated push button with 1NO + 1NC contact (1) 1x red illuminated push button with NC contact (1) Momentary contacts		2 x M20 2 x M25	U23W2 LG5LB3LR9 U23W4 LG5LB3LR9	1.4 1.4	6 6
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Pilot Light + Twin Push Buttons + Push-Pull Emergency Stop						
	1x green light (1) 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts 1x red mushroom head push-pull with 1x NC maintained contact		2 x M20 2 x M25	U23W2 PGA5A9D9 U23W4 PGA5A9D9	1.4 1.4	6 6
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Twin Pilot Lights + Push-Pull Emergency Stop + Push Button						
	1x green light + 1x red light (1) 1x red mushroom head push-pull with 1x NC maintained contact 1x green push button 'I' with 1NO momentary contact		2 x M20 2 x M25	U23W2 PGPRD9A5 U23W4 PGPRD9A5	1.4 1.4	6 6
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Ammeter + Twin Push Buttons						
	1x ammeter 48 x 48 mm, 1A C.T., 3 F.L.C., with 0 - 1 - 3 scale 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20 2 x M25	U23W2 VA13A5A9 U23W4 VA13A5A9	1.4 1.4	6 6
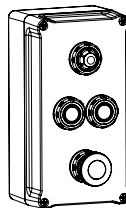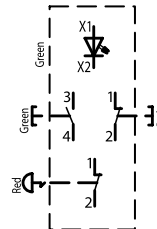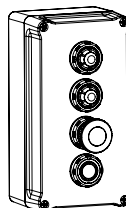
Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

⟨A⟩ **Appleton**®

Zone 1 & 2 – 21 & 22
⟨Ex⟩ II 2 GD
ATEX / IECEx
IP66 – IK10

Accessories:

Description		Catalog Number	

Nameplates (set of 10)

Blank self-adhesive laminated plastic 58 x 18 mm	Color		Pack
	White (black letters)	UNPW	1
	Yellow (black letters)	UNPY	1
	Red (white letters)	UNPR	1
	Blue (white letters)	UNPB	1
	Black (white letters)	UNPN	1
	Green (white letters)	UNPG	1

Standard Legend Plates:
Self-adhesive yellow laminated plastic (black lettering)

Text	Small	Large	Pack
Blank (set of 10)	ULPS	ULPL	1
ON	ULPSA 01	ULPLA 01	1
OFF	ULPSA 02	ULPLA 02	1
FORWARD	ULPSA 03	ULPLA 03	1
REVERSE	ULPSA 04	ULPLA 04	1
JOG	ULPSA 05	ULPLA 05	1
RUN	ULPSA 06	ULPLA 06	1
START	ULPSA 07	ULPLA 07	1
STOP	ULPSA 08	ULPLA 08	1
UP	ULPSA 09	ULPLA 09	1
DOWN	ULPSA 10	ULPLA 10	1
FAST	ULPSA 11	ULPLA 11	1
SLOW	ULPSA 12	ULPLA 12	1
RAISE	ULPSA 13	ULPLA 13	1
LOWER	ULPSA 14	ULPLA 14	1
OPEN	ULPSA 15	ULPLA 15	1
CLOSE	ULPSA 16	ULPLA 16	1
LOW	ULPSA 17	ULPLA 17	1
HIGH	ULPSA 18	ULPLA 18	1
TEST	ULPSA 19	ULPLA 19	1
RESET	ULPSA 20	ULPLA 20	1
EMERGENCY STOP	ULPSA 21	ULPLA 21	1
MARCHE	ULPSA 22	ULPLA 22	1
ARRET	ULPSA 23	ULPLA 23	1
ARRET D'URGENCE	ULPSA 24	ULPLA 24	1
HAUT	ULPSA 25	ULPLA 25	1
BAS	ULPSA 26	ULPLA 26	1

Two Sizes Available

Small Size   Large Size

ULPS   ULPL

Text	Small	Large	Pack
O - I	ULPSH 01	ULPLH 01	1
ON - OFF	ULPSH 02	ULPLH 02	1
START - STOP	ULPSH 03	ULPLH 03	1
STOP - START	ULPSH 04	ULPLH 04	1
HAND - AUTO	ULPSH 05	ULPLH 05	1
MANU - AUTO	ULPSH 06	ULPLH 06	1
FORWARD - REVERSE	ULPSH 07	ULPLH 07	1
REMOTE - LOCAL	ULPSH 08	ULPLH 08	1
MARCHE - ARRET	ULPSH 09	ULPLH 09	1

Text	Small	Large	Pack
I - O - II	ULPSJ 01	ULPLJ 01	1
OFF - O -ON	ULPSJ 02	ULPLJ 02	1
START - NORMAL - STOP	ULPSJ 03	ULPLJ 03	1
HAND - OFF - AUTO	ULPSJ 04	ULPLJ 04	1
MANU - O - AUTO	ULPSJ 05	ULPLJ 05	1
FORWARD - OFF - REVERSE	ULPSJ 06	ULPLJ 06	1
LOCAL - REMOTE - AUTO	ULPSJ 07	ULPLJ 07	1
LOCAL - O - REMOTE	ULPSJ 08	ULPLJ 08	1
MARCHE - NORMAL - ARRET	ULPSJ 09	ULPLJ 09	1

Inserts for Push button (set of 5):

Marking		Color	REF	Pack
(unmarked)		Green	UIA G	1
(unmarked)		Red	UIA R	1
(unmarked)		Yellow	UIA Y	1
(unmarked)		White	UIA W	1
(unmarked)		Blue	UIA B	1
(unmarked)		Black	UIA N	1
ON		Green	UIA 01	1
OFF		Red	UIA 02	1
START		Green	UIA 03	1
STOP		Red	UIA 04	1
MARCHE		Green	UIA 05	1
ARRET		Red	UIA 06	1
I		Green	UIA 07	1
O		Red	UIA 08	1

Inserts for Illuminated Push button (set of 5):

Marking		Color	REF	Pack
(unmarked)		Green	UIL G	1
(unmarked)		Red	UIL R	1
(unmarked)		Yellow	UIL Y	1
(unmarked)		White	UIL W	1
(unmarked)		Blue	UIL B	1
ON		Green	UIL 01	1
OFF		Red	UIL 02	1
START		Green	UIL 03	1
STOP		Red	UIL 04	1
MARCHE		Green	UIL 05	1
ARRET		Red	UIL 06	1
I		Green	UIL 07	1
O		Red	UIL 08	1

Spare Key:
For all key-operated buttons.

Description	REF	Pack
Spare key type 4 A 185	SK4A185	1

Earth Continuity Brass Plate:

Description	REF	Pack
2 x M20	U2EP2M20	1
2 x M25	U2EP2M25	1

CONTROL STATIONS & SWITCHES

⟨A⟩ Appleton®

Zone 1 & 2 – 21 & 22
Ⓔx II 2 GD
ATEX / IECEx
IP66 – IK10

Accessories - Continued:

	Description	Catalog Number
	Additional Contacts Each actuator is capable of activating 3 contacts. Exception: Illuminated push button and all actuators with key: 2 contacts maximum	
	1NO contact	UCB5R
	1NC contact	UCB9R
	Yellow Guard Mushroom head protection for emergency stop	098657
	Padlockable Guard Stainless steel body and plastic cover. Capacity: 3 padlocks dia. 6 mm maximum (not supplied)	
	For push button and rotary actuator	UPLD1S
	For mushroom head actuator	UPLD2S
	Cable Gland Exe For unarmored cable Exe - IP66 - in polyamide with entry thread seal	
	M20 (capacity 6.5-14.5 mm)	095605
	M25 (capacity 8-18.5 mm)	095606
	For armored cable Exe / Exd - IP66 - in nickel plated brass (without entry thread seal)	
	Braid and Tape type:	
	M20 (inner: 6.4-14.0 / outer: 12.5-20.9 mm)	20E1FX5
	M25 (inner: 11.1-20.0 / outer: 18.2-26.2 mm)	25E1FX5
	Single Wired Armor (SWA):	
	M20 (inner: 6.4-14.0 / outer: 12.5-20.9 mm)	20E1FW5
	M25 (inner: 11.1-20.0 / outer: 18.2-26.2 mm)	25E1FW5
	Adaptors Exd & Exe - IP66 in nickel plated brass (without entry thread seal)	
	Male M20 - Female 1/2" NPT	737DM2T15
	Male M20 - Female 3/4" NPT	737DM2T25
	Male M25 - Female 1" NPT	737DM3T35
	Male M25 - Female 3/4" NPT	737DM3T25
	Entry Thread Seal	
	M20 (in black neoprenne)	20ETS
	M25 (in black neoprenne)	25ETS
	M20 (in white nylon)	20ETS2
	M25 (in white nylon)	25ETS2
	Combination Drain and Breather Exe - IP66 - supplied with entry thread seal and locknut	
	M20 male thread in polyamide	DBE20P
	M20 male thread in brass	DBE20B
	M20 male thread in stainless steel	DBE20S
	Feedthrough Earth Stud Terminal Exe - IP66 – supplied with entry thread seal, locknut and green/yellow earth conductor (length 300 mm)	
	M20 with M5 earth and 2.5 mm² conductor	PREESTM20
	M25 with M6 earth and 6 mm² conductor	PREESTM25

CONTROL STATIONS & SWITCHES

⟨Ⓐ⟩ **Appleton**®

Control Stations & Switches: Control Stations – Increased Safety

Unicode 2 Series: Polyester Control Stations

Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
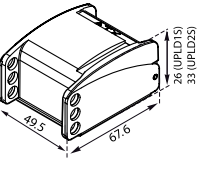*ATEX / IECEx*
IP66 – IK10

Compliances:

Hazardous Area	Gas	Dust
Certified Type	CSPe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 ⟨Ex⟩ II 2 G	CE 0081 ⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex de IIC / Ex demb IIC	Ex tD A21
Symbol of Protection IEC		
T Rating	T6	N.A.
Surface Temperature	N.A.	T75°C
Ambient Temperature	-55°C to +60°C	
CE Declaration of Conformity	50284	
ATEX Certificate	LCIE 09 ATEX 3032X	
IECEx Certificate	IECEx LCI 09.0016X	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 60079-7; 60079-18; 61241-0 ; 61241-1
Product Standards	EN / IEC 60947-1; 60947-5
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

Dimensions (mm):

CSPe1

CSPe2

CSPe3

120 / 120 / fix.83 / fix.103

120 / 170 / fix.133 / fix.103

120 / 230 / fix.193 / fix.103 / 91

Fixing Details for Above Boxes: Four Holes Ø 5

ATX Product Catalog

⟨Ⓐ⟩ Appleton®

U62W2 PRA5A9

Compliance Data:

ATEX – IEC:

Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IEC	CE
Ex de IIC / Ex demb IIC	T6 to T5	Ex tD A21	T80°C to T95°C	IP66 – IK10

Voltage and Amperage:

Voltage	Amperage	Pilot Light Voltage	
Up to 500 V	16 A	12 Vac to 254 Vac 50/60 Hz and 12 Vdc to 60 Vdc	

Operating Temperature:

-50°C to +60°C -40°C to +60°C -25°C to +60°C (depending on type of actuator)			

Appleton

Zone 1 & 2 – 21 & 22
Ⓔ *II 2 GD*
ATEX / IEC
IP66 – IK10

Applications:

- Local control stations and motor control stations for use in hazardous areas covering the broadest possible range of applications.
- Control of equipment at power plants, chemical and petrochemical plants, petroleum refineries, reverse osmosis plants, pulp and paper processing plants and various industrial applications.
- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors in hazardous locations. They provide circuit control and/or selection.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or hazardous location.
- For use in wash down areas.

Features:

- Employs Ex de (factory sealed) operators including push buttons, illuminated push buttons, selector switches, control and load break switches, contact blocks, pilot lights (LED), and terminal blocks.
- Pilot light employs high intensity single LED with lifetime of 100,000 hours that can be used at 12 Vac to 254 Vac 50/60 Hz, 12 Vdc to 60 Vdc.
- Enclosures are rated for IP66 with firmly secured gasket.
- Operators and contact blocks are spaced so as to have easy and ample space for wiring.
- Wide selection of cable glands, union adapter entries at top and bottom locations.
- Choice of DIN rail mounted high performance contact block suitable for low intensity (less than 5 mA).

- TS35 rail mounted components held securely in place during operation and easily removed for service.
- Brass inserts are provided for TS35 DIN rails or mounting plate to be installed inside the enclosure.
- Captive, corrosion resistant stainless steel cover screws.

Standard Material of Fixtures:

- 316L stainless steel, natural finish.
- Stainless steel cover screws.
- Polyamide cable gland and blanking plug.

Accessories:

- Key for changing actuator blocks.
- Guard for mushroom head actuator.
- Padlockable guard.
- M6 earth stud.
- Combination drain and breather available in brass, polyamide. and stainless steel.

Options:

- Nameplates: Lamacoid with different color combinations. Stainless steel.
- Padlocking facility at left, center, right or any position on selector switches.
- Padlocking facility for momentary and maintained push buttons.
- Special contact arrangements available upon request, see options for details.

Ordering Information:

Size 1 – 316L Stainless Steel Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
Impulse Push Button						
	Green insert 'I' + red insert 'O' with 1NO + 1NC momentary contacts		2 x M20	U61W2 A3	1.2	4.3
Twin Impulse Push Buttons						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	U61W2 A5A9	1.3	4.3
Emergency Stop						
	Red mushroom head push-pull 1NC maintained contact		2 x M20	U61W2 D9	1.2	4.3
	Red mushroom head push-pull 1NO + 1NC maintained contacts		M20	U61W2 D3	1.2	4.3

Additional combinations available, please refer to Unicode 2 Series – Customized Control Stations Section

Ⓐ **Appleton**®

CONTROL STATIONS & SWITCHES

Control Stations & Switches: Control Stations – Increased Safety

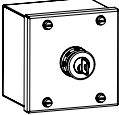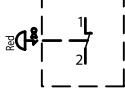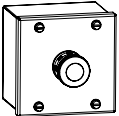## Unicode 2 Series: Stainless Steel Control Stations
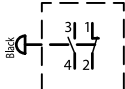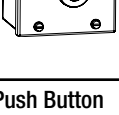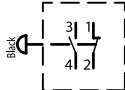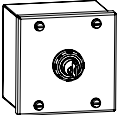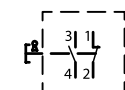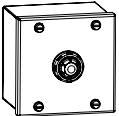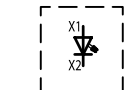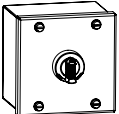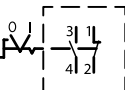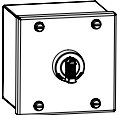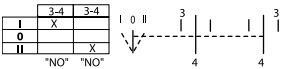
Ordering Information - Continued:

Size 1 – 316 L Stainless Steel Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
Emergency Stop						
	Red mushroom head key release 1NC maintained contact		2 x M20	**U61W2 C9**	1.2	4.3
Mushroom Head Push Button						
	Black mushroom head push button 1NO + 1NC momentary contacts		2 x M20	**U61W2 B3**	1.2	4.3
	Red mushroom head push button 1NC momentary contact		2 x M20	**U61W2 R9**	1.2	4.3
Key Push Button						
	With key removable in both positions 1NO + 1NC maintained contacts		2 x M20	**U61W2 E3**	1.2	4.3
Pilot Light						
	1x red pilot light (1)		2 x M20	**U61W2 PR**	1.2	4.3
	1x green pilot light (1)		2 x M20	**U61W2 PG**	1.2	4.3
	1x blue pilot light (1)		2 x M20	**U61W2 PB**	1.2	4.3
	1x yellow pilot light (1)		2 x M20	**U61W2 PY**	1.2	4.3
	1x white pilot light (1)		2 x M20	**U61W2 PW**	1.2	4.3
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
2-Position Selector Switch						
	2 fixed positions '0 - I' 1NO + 1NC contacts		2 x M20	**U61W2 H3**	1.2	4.3
3-Position Selector Switch						
	3 fixed positions 'I - 0 - II' 2NO contacts		2 x M20	**U61W2 J1**	1.2	4.3
	3 fixed positions 'I - 0 - II' With spring return from I to 0 1NO + 1NC contacts		2 x M20	**U61W2 N3**	1.2	4.3
	3 positions 'I - 0 - II' With spring return from II to 0 1NO + 1NC contacts		2 x M20	**U61W2 M3**	1.2	4.3

Additional combinations available, please refer to Unicode 2 Series – Customized Control Stations Section

CONTROL STATIONS & SWITCHES

Ⓐ **Appleton**

Zone 1 & 2 – 21 & 22
II 2 GD
ATEX / IEC
IP66 – IK10

Ordering Information – Continued:

Size 2 - 316 L Stainless Steel Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

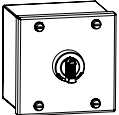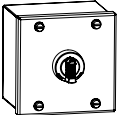| Version	Description/ Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Push Buttons						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	**U62W2 A5A9**	1.8	4.3
Push Button + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO momentary contact 1x red mushroom head push-pull emergency button with 1NC maintained contact		2 x M20	**U62W2 A5D9**	1.8	4.3
Pilot Light + Push Button						
	1x green light (1) 1x green push button 'I' with 1NO Momentary contact		2 x M20	**U62W2 PGA5**	1.8	4.3
	1x red light (1) 1x red push button 'O' with 1NC Momentary contact		2 x M20	**U62W2 PRA9**	1.8	4.3
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
Ammeter + 3-Position Selector Switch						
	1x ammeter 48 x 48 mm, 1A C.T., 3 F.L.C., with 0 - 1 - 3 scale 1x 3-position selector switch 'I - 0 - II' With spring return from II to 0 1NO + 1NC contacts		2 x M20	**U62W2 VA13M3**	1.8	4.3
Twin Push Buttons + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts 1x red mushroom head push-pull emergency button with 1NO + 1NC maintained contacts		2 x M20	**U62W2 A5A9D3**	1.8	4.3
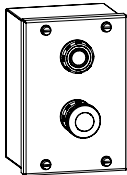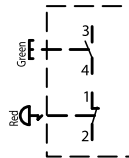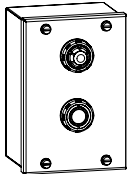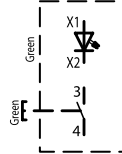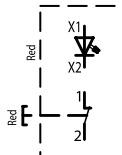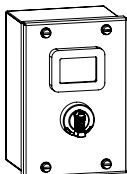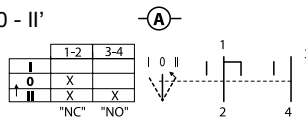
Ammeter diagram:

	1-2	3-4
I		
0	X	
II	X	X
	"NC"	"NO"

Additional combinations available, please refer to Unicode 2 Series – Customized Control Stations Section

CONTROL STATIONS & SWITCHES

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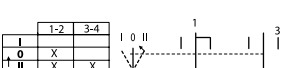
Zone 1 & 2 – 21 & 22
Ⓔx *II 2 GD*
ATEX / IEC
IP66 – IK10

Ordering Information – Continued:

Size 2 - 316 L Stainless Steel Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2x M20
bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/ Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
Pilot Light + Twin Push Buttons						
	1x green pilot light (1) 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	**U62W2 PGA5A9**	1.8	4.3
	1x red pilot light (1) 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	**U62W2 PRA5A9**	1.8	4.3
	1x green pilot light (1) 1x green push button 'I' with 1NO + 1NC contacts 1x red push button 'O' with 1NO + 1NC contacts Momentary contacts		2 x M20	**U62W2 PGA3A3**	1.8	4.3
	1x red pilot light (1) 1x green push button 'I' with 1NO + 1NC contacts 1x red push button 'O' with 1NO + 1NC contacts Momentary contacts		2 x M20	**U62W2 PRA3A3**	1.8	4.3

(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc
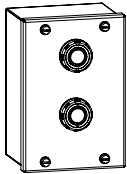
Size 3 - 316 L Stainless Steel Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 bottom clearance entries,
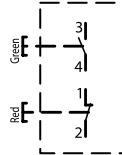1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/ Function	Diagram	Bottom entries	Catalog Number	Volume (kg)	Weight (dm³)
Twin Pilot Lights + Twin Push Buttons						
	1x green pilot light (1) 1x red pilot light (1) 1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20 2 x M25	**U63W2 PGPRA5A9** **U63W4 PGPRA5A9**	2.1	10.5

(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc

Additional combinations available, please refer to Unicode 2 Series – Customized Control Stations Section

CONTROL STATIONS & SWITCHES

Ⓐ **Appleton®**

Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IEC
IP66 – IK10

Accessories:

Description		Catalog Number	
Nameplates (set of 10)	**Color**		**Pack**
Blank self-adhesive, laminated plastic 58x18 mm	White (black letters)	**UNPW**	1
	Yellow (black letters)	**UNPY**	1
	Red (white letters)	**UNPR**	1
	Blue (white letters)	**UNPB**	1
	Black (white letters)	**UNPN**	1
	Green (white letters)	**UNPG**	1

Standard Legend Plates:
Self-adhesive yellow laminated plastic (black lettering)

Text	Small	Large	Pack
Blank (set of 10)	ULPS	ULPL	1
ON	ULPSA 01	ULPLA 01	1
OFF	ULPSA 02	ULPLA 02	1
FORWARD	ULPSA 03	ULPLA 03	1
REVERSE	ULPSA 04	ULPLA 04	1
JOG	ULPSA 05	ULPLA 05	1
RUN	ULPSA 06	ULPLA 06	1
START	ULPSA 07	ULPLA 07	1
STOP	ULPSA 08	ULPLA 08	1
UP	ULPSA 09	ULPLA 09	1
DOWN	ULPSA 10	ULPLA 10	1
FAST	ULPSA 11	ULPLA 11	1
SLOW	ULPSA 12	ULPLA 12	1
RAISE	ULPSA 13	ULPLA 13	1
LOWER	ULPSA 14	ULPLA 14	1
OPEN	ULPSA 15	ULPLA 15	1
CLOSE	ULPSA 16	ULPLA 16	1
LOW	ULPSA 17	ULPLA 17	1
HIGH	ULPSA 18	ULPLA 18	1
TEST	ULPSA 19	ULPLA 19	1
RESET	ULPSA 20	ULPLA 20	1
EMERGENCY STOP	ULPSA 21	ULPLA 21	1
MARCHE	ULPSA 22	ULPLA 22	1
ARRET	ULPSA 23	ULPLA 23	1
ARRET D'URGENCE	ULPSA 24	ULPLA 24	1
HAUT	ULPSA 25	ULPLA 25	1
BAS	ULPSA 26	ULPLA 26	1

Inserts for Push button (set of 5):

Marking	Color	REF	Pack
(unmarked)	Green	UIA G	1
(unmarked)	Red	UIA R	1
(unmarked)	Yellow	UIA Y	1
(unmarked)	White	UIA W	1
(unmarked)	Blue	UIA B	1
(unmarked)	Black	UIA N	1
ON	Green	UIA 01	1
OFF	Red	UIA 02	1
START	Green	UIA 03	1
STOP	Red	UIA 04	1
MARCHE	Green	UIA 05	1
ARRET	Red	UIA 06	1
I	Green	UIA 07	1
O	Red	UIA 08	1

Two Sizes Available

Small Size   Large Size

ULPS   ULPL

Text	Small	Large	Pack
O - I	ULPSH 01	ULPLH 01	1
ON - OFF	ULPSH 02	ULPLH 02	1
START - STOP	ULPSH 03	ULPLH 03	1
STOP - START	ULPSH 04	ULPLH 04	1
HAND - AUTO	ULPSH 05	ULPLH 05	1
MANU - AUTO	ULPSH 06	ULPLH 06	1
FORWARD - REVERSE	ULPSH 07	ULPLH 07	1
REMOTE - LOCAL	ULPSH 08	ULPLH 08	1
MARCHE - ARRET	ULPSH 09	ULPLH 09	1

Text	Small	Large	Pack
I - O - II	ULPSJ 01	ULPLJ 01	1
OFF - O -ON	ULPSJ 02	ULPLJ 02	1
START - NORMAL - STOP	ULPSJ 03	ULPLJ 03	1
HAND - OFF - AUTO	ULPSJ 04	ULPLJ 04	1
MANU - O - AUTO	ULPSJ 05	ULPLJ 05	1
FORWARD - OFF - REVERSE	ULPSJ 06	ULPLJ 06	1
LOCAL - REMOTE - AUTO	ULPSJ 07	ULPLJ 07	1
LOCAL - O - REMOTE	ULPSJ 08	ULPLJ 08	1
MARCHE - NORMAL - ARRET	ULPSJ 09	ULPLJ 09	1

Inserts for Illuminated Push button (set of 5):

Marking	Color	REF	Pack
(unmarked)	Green	UIL G	1
(unmarked)	Red	UIL R	1
(unmarked)	Yellow	UIL Y	1
(unmarked)	White	UIL W	1
(unmarked)	Blue	UIL B	1
ON	Green	UIL 01	1
OFF	Red	UIL 02	1
START	Green	UIL 03	1
STOP	Red	UIL 04	1
MARCHE	Green	UIL 05	1
ARRET	Red	UIL 06	1
I	Green	UIL 07	1
O	Red	UIL 08	1

Spare Key:
For all key-operated buttons.

Description	REF	Pack
Spare key type 4 A 185	SK4A185	1

CONTROL STATIONS & SWITCHES

Ⓐ **Appleton**®

Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IEC
IP66 – IK10

Accessories - Continued:

	Description	Catalog Number
	Additional Contacts Each actuator is capable of activating 3 contacts. Exception: Illuminated push button and all actuators with key: 2 contacts maximum	
	1NO contact 1NC contact	UCB5R UCB9R
	Yellow Guard Mushroom head protection for emergency stop	098657
	Padlockable Guard Stainless steel and plastic cover, capacity: 3 padlocks dia. 6 mm maximum (not supplied)	
	For push button and rotary actuator	UPLD1S
	For mushroom head actuator	UPLD2S
	Cable Gland Exe **For unarmored cable Exe - IP66 - in polyamide with entry thread seal**	
	M20 (capacity 6.5-14.5 mm) M25 (capacity 8-18.5 mm)	095605 095606
	For armored cable Exe / Exd - IP66 - in nickel plated brass (without entry thread seal)	
	Braid and Tape type: M20 (inner: 6.4-14.0 / outer: 12.5-20.9 mm) M25 (inner: 11.1-20.0 / outer: 18.2-26.2 mm)	20E1FX5 25E1FX5
	Single Wired Armor (SWA): M20 (inner: 6.4-14.0 / outer: 12.5-20.9 mm) M25 (inner: 11.1-20.0 / outer: 18.2-26.2 mm)	20E1FW5 25E1FW5
	Adaptors Exd / Exe - IP66 in nickel plated brass (without entry thread seal)	
	Male M25 - Female 1" NPT Male M25 - Female 3/4" NPT	737DM3T35 737DM3T25
	Male M20 - Female 1/2" NPT Male M20 - Female 3/4" NPT	737DM2T15 737DM2T25
	Entry Thread Seal M20 (in black neoprenne) M25 (in black neoprenne)	20ETS 25ETS
	M20 (in white nylon) M25 (in white nylon)	20ETS2 25ETS2
	Combination Drain and Breather Exe - IP66 - supplied with entry thread seal and locknut	
	M20 male thread in polyamide M20 male thread in brass M20 male thread in stainless steel	DBE20P DBE20B DBE20S
	Feedthrough Earth Stud Terminal Exe - IP66 – supplied with entry thread seal, locknut and green/yellow earth conductor (length 300 mm)	
	M20 with M5 earth and 2.5 mm² conductor M25 with M6 earth and 6 mm² conductor	PREESTM20 PREESTM25

CONTROL STATIONS & SWITCHES

Appleton®

Zone 1 & 2 – 21 & 22
Ⓔ *II 2 GD*
ATEX / IEC
IP66 – IK10

Compliances:

Hazardous Area	Gas	Dust
Certified Type	JBe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 Ⓔ II 2 G	CE 0081 Ⓔ II2 D
Symbol of Protection ATEX	Ex de IIC / Ex demb IIC	Ex tD A21
Symbol of Protection IEC		
T Rating	T6 to T5	N.A.
Surface Temperature	N.A.	T80°C to T95°C
Ambient Temperature	-50°C to +70°C	
CE Declaration of Conformity	50232	
ATEX Certificate	LCIE 02 ATEX 6118X	
IEC Certificate	LCIE Ex 02.010X	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 60079-7; 60079-18; 61241-0; 61241-1
Product Standards	EN / IEC 60947-1; 60947-5
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

Dimensions (mm):

Size 1 Box

Size 2 Box

Size 3 Box

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U83W2 PRA5A9

Compliance Data:
ATEX – IEC:

Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IEC	CE
Ex de IIC / Ex demb IIC	T6	Ex tD A21	T80°C	IP66 – IK10

Voltage and Amperage:

Voltage	Amperage	Pilot Light Voltage	
Up to 500 V	16 A	12 Vac to 254 Vac 50/60 Hz and 12 Vdc to 60 Vdc	

Operating Temperature:

-55°C to +60°C -40°C to +60°C -25°C to +60°C (depending on type of actuator)				

CONTROL STATIONS & SWITCHES

Appleton

Zone 1 & 2 – 21 & 22
⟨Ex⟩ II 2 GD
ATEX / IEC
IP66 – IK10

Applications:

- Local control stations and motor control stations for use in hazardous areas covering the broadest possible range of applications.
- Control of equipment at power plants, chemical and petrochemical plants, petroleum refineries, reverse osmosis plants, pulp and paper processing plants and various industrial applications.
- Push buttons and selector switches are used in conjunction with contactors or magnetic starters for remote control of motors in hazardous locations. They provide circuit control and/or selection.
- Pilot lights provide visual assurance that an electrical function is being performed at a remote or hazardous location.
- For use in wash down areas.

Features:

- Employs Ex de (factory sealed) operators including push buttons, illuminated push buttons, selector switches, control and load break switches, contact blocks, pilot lights (LED), and terminal blocks.
- Pilot light employs high intensity single LED with lifetime of 100,000 hours that can be used at 12 Vac to 254 Vac 50/60 Hz, 12 Vdc to 60 Vdc.
- Enclosures are rated for IP66 with firmly secured gasket.
- Operators and contact blocks are spaced so as to have easy and ample space for wiring.
- Wide selection of cable glands, union adapter entries at top and bottom locations.
- Choice of DIN rail mounted high performance contact block suitable for low intensity (less than 5 mA).
- TS35 rail mounted components held securely in place during operation and easily removed for service.
- Brass inserts are provided for TS35 DIN rails or mounting plate to be installed inside the enclosure.
- Captive, corrosion resistant stainless steel cover screws.

Standard Material of Fixtures:

- Aluminum gray epoxy powder coated.
- Stainless steel cover screws.
- Polyamide cable gland and blanking plug.

Accessories:

- Key for changing actuator blocks.
- Guard for mushroom head actuator.
- Padlockable guard.
- M5 and M6 earth stud.
- Combination drain and breather available in brass, polyamide and stainless steel.

Options:

- Nameplates: Lamacoid with different color combinations. Stainless steel.
- Padlocking facility at left, center, right or any position on selector switches.
- Padlocking facility for momentary and maintained push buttons.
- Special contact arrangements available upon request, see options for details.

Ordering Information:

Size 1 Aluminum Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/ Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
Impulse Push Button						
	Green insert 'I' + red insert 'O' with 1NO + 1NC momentary contacts		2 x M20	**U81W2 A3**	1	2.7
Twin Impulse Push Buttons						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact Momentary contacts		2 x M20	**U81W2 A5A9**	1.1	2.7

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

®Appleton®

Zone 1 & 2 – 21 & 22
Ⓔ⤫ *II 2 GD*
ATEX / IEC
IP66 – IK10

Ordering Information - Continued:

Size 1 Aluminum Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
Emergency Stop						
	Red mushroom head push-pull 1NC maintained contact		2 x M20	**U81W2 D9**	1	2.7
	Red mushroom head push-pull 1NO + 1NC maintained contacts		2 x M20	**U81W2 D3**	1	2.7
	Red mushroom head key release 1NC maintained contact		2 x M20	**U81W2 C9**	1	2.7
Mushroom Head Push Button						
	Black mushroom head push button 1NO + 1NC momentary contacts		2 x M20	**U81W2 B3**	1	2.7
	Red mushroom head push button 1NC momentary contact		2 x M20	**U81W2 R9**	1	2.7
Key Push Button						
	With key removable in both positions 1NO + 1NC momentary contacts		2 x M20	**U81W2 E3**	1	2.7
Pilot Light						
	1x red pilot light (1)		2 x M20	**U81W2 PR**	1	2.7
	1x green pilot light (1)		2 x M20	**U81W2 PG**	1	2.7
	1x blue pilot light (1)		2 x M20	**U81W2 PB**	1	2.7
	1x yellow pilot light (1)		2 x M20	**U81W2 PY**	1	2.7
	1x white pilot light (1)		2 x M20	**U81W2 PW**	1	2.7
	(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc					
2-Position Selector Switch						
	2 fixed positions '0 - I' 1NO + 1NC contacts		2 x M20	**U81W2 H3**	1	2.7

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

ATX Product Catalog

CONTROL STATIONS & SWITCHES

®Appleton®

Zone 1 & 2 – 21 & 22
⟨Ex⟩ II 2 GD
ATEX / IEC
IP66 – IK10

Ordering Information – Continued

Size 1 Aluminum Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20
bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/ Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
3-Position Selector Switch						
	3 fixed positions 'I - 0 - II' 2NO contacts		2 x M20	**U81W2 J1**	1	2.7
	3 positions 'I - 0 - II' with spring return from I to 0 1NO + 1NC contacts		2 x M20	**U81W2 N3**	1	2.7
	3 positions 'I - 0 - II' with spring return from II to 0 1NO + 1NC contacts		2 x M20	**U81W2 M3**	1	2.7

Size 2 Aluminum Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 x M20
bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/ Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Push Buttons						
	1x green push button 'I' with 1NO contact 1x red push button 'O' with 1NC contact momentary contacts		2 x M20	**U82W2 A5A9**	1.3	2.7
Push Button + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO momentary contact 1x red mushroom head push-pull emergency button with 1NC maintained contact		2 x M20	**U82W2 A5D9**	1.3	2.7
Pilot Light + Push Button						
	1x green pilot light (1) 1x green push button 'I' with 1NO Momentary contact		2 x M20	**U82W2 PGA5**	1.3	2.7
	1x red pilot light (1) 1x red push button 'O' with 1NC Momentary contact		2 x M20	**U82W2 PRA9**	1.3	2.7

(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

⊛ **Appleton**®

Zone 1 & 2 – 21 & 22
Ⓔx *II 2 GD*
ATEX / IEC
IP66 – IK10
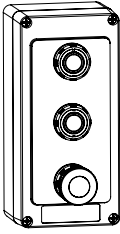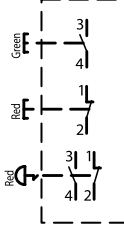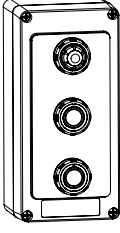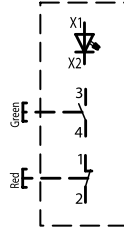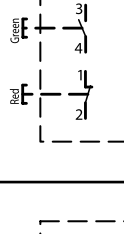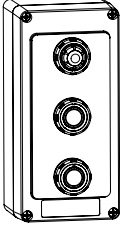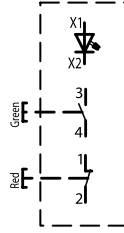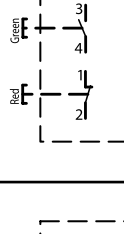
Ordering Information – Continued:

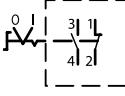### Size 3 Aluminum Control Station:
Standard equipment: 1 white self-adhesive laminated plastic nameplate, 2 bottom clearance entries, 1 blanking plug, 1 cable gland in polyamide, 2 locknuts.

Version	Description/ Function	Diagram	Bottom entries	Catalog Number	Weight (kg)	Volume (dm³)
Twin Push Buttons + Push-Pull Emergency Stop						
	1x green push button 'I' with 1NO contact		2 x M20	**U83W2 A5A9D3**	1.6	4.2
	1x red push button 'O' with 1NC contact		2 x M25	**U83W4 A5A9D3**	1.6	4.2
	Momentary contacts					
	1 red mushroom head push-pull emergency button with 1NO + 1NC maintained contacts					
Pilot Light + Twin Push Buttons						
	1x green pilot light (1)		2 x M20	**U83W2 PGA5A9**	1.6	4.2
	1x green push button 'I' with 1NO contact		2 x M25	**U83W4 PGA5A9**	1.6	4.2
	1x red push button 'O' with 1NC contact					
	Momentary contacts					
	1x red pilot light (1)		2 x M20	**U83W2 PRA5A9**	1.6	4.2
	1x green push button 'I' with 1NO contact		2 x M25	**U83W4 PRA5A9**	1.6	4.2
	1x red push button 'O' with 1NC contact					
	Momentary contacts					
	1x green pilot light (1)		2 x M20	**U83W2 PGA3A3**	1.6	4.2
	1x green push button 'I' with 1NO + 1NC contacts		2 x M25	**U83W4 PGA3A3**	1.6	4.2
	1x red push button 'O' with 1NO + 1NC contacts					
	Momentary contacts					
	1x red pilot light (1)		2 x M20	**U83W2 PRA3A3**	1.6	4.2
	1x green push button 'I' with 1NO + 1NC contacts		2 x M25	**U83W4 PRA3A3**	1.6	4.2
	1x red push button 'O' with 1NO + 1NC contacts					
	Momentary contacts					

(1) 12 Vac to 254 Vac 50/60 Hz - 12 Vdc to 60 Vdc

Additional combinations available, please refer to Unicode 2 Series - Customized Control Stations section

CONTROL STATIONS & SWITCHES

Ⓐ **Appleton®**

Zone 1 & 2 – 21 & 22
Ⓔⓧ *II 2 GD*
ATEX / IEC
IP66 – IK10

Accessories:

Description		Catalog Number	

Nameplates (set of 10)

	Color		Pack
Blank self-adhesive, laminated plastic 58x18 mm	White (black letters)	**UNPW**	1
	Yellow (black letters)	**UNPY**	1
	Red (white letters)	**UNPR**	1
	Blue (white letters)	**UNPB**	1
	Black (white letters)	**UNPN**	1
	Green (white letters)	**UNPG**	1

Standard Legend Plates:
Self-adhesive yellow laminated plastic (black lettering)

Text	Small	Large	Pack
Blank (set of 10)	**ULPS**	**ULPL**	1
ON	ULPSA 01	ULPLA 01	1
OFF	ULPSA 02	ULPLA 02	1
FORWARD	ULPSA 03	ULPLA 03	1
REVERSE	ULPSA 04	ULPLA 04	1
JOG	ULPSA 05	ULPLA 05	1
RUN	ULPSA 06	ULPLA 06	1
START	ULPSA 07	ULPLA 07	1
STOP	ULPSA 08	ULPLA 08	1
UP	ULPSA 09	ULPLA 09	1
DOWN	ULPSA 10	ULPLA 10	1
FAST	ULPSA 11	ULPLA 11	1
SLOW	ULPSA 12	ULPLA 12	1
RAISE	ULPSA 13	ULPLA 13	1
LOWER	ULPSA 14	ULPLA 14	1
OPEN	ULPSA 15	ULPLA 15	1
CLOSE	ULPSA 16	ULPLA 16	1
LOW	ULPSA 17	ULPLA 17	1
HIGH	ULPSA 18	ULPLA 18	1
TEST	ULPSA 19	ULPLA 19	1
RESET	ULPSA 20	ULPLA 20	1
EMERGENCY STOP	ULPSA 21	ULPLA 21	1
MARCHE	ULPSA 22	ULPLA 22	1
ARRET	ULPSA 23	ULPLA 23	1
ARRET D'URGENCE	ULPSA 24	ULPLA 24	1
HAUT	ULPSA 25	ULPLA 25	1
BAS	ULPSA 26	ULPLA 26	1

Two Sizes Available

Small Size   Large Size

ULPS   **ULPL**

Text	Small	Large	Pack
O - I	ULPSH 01	ULPLH 01	1
ON - OFF	ULPSH 02	ULPLH 02	1
START - STOP	ULPSH 03	ULPLH 03	1
STOP - START	ULPSH 04	ULPLH 04	1
HAND - AUTO	ULPSH 05	ULPLH 05	1
MANU - AUTO	ULPSH 06	ULPLH 06	1
FORWARD - REVERSE	ULPSH 07	ULPLH 07	1
REMOTE - LOCAL	ULPSH 08	ULPLH 08	1
MARCHE - ARRET	ULPSH 09	ULPLH 09	1

Text	Small	Large	Pack
I - O - II	ULPSJ 01	ULPLJ 01	1
OFF - O -ON	ULPSJ 02	ULPLJ 02	1
START - NORMAL - STOP	ULPSJ 03	ULPLJ 03	1
HAND - OFF - AUTO	ULPSJ 04	ULPLJ 04	1
MANU - O - AUTO	ULPSJ 05	ULPLJ 05	1
FORWARD - OFF - REVERSE	ULPSJ 06	ULPLJ 06	1
LOCAL - REMOTE - AUTO	ULPSJ 07	ULPLJ 07	1
LOCAL - O - REMOTE	ULPSJ 08	ULPLJ 08	1
MARCHE - NORMAL - ARRET	ULPSJ 09	ULPLJ 09	1

Inserts for Push Button (set of 5):

Marking	Color	REF	Pack
(unmarked)	Green	UIA G	1
(unmarked)	Red	UIA R	1
(unmarked)	Yellow	UIA Y	1
(unmarked)	White	UIA W	1
(unmarked)	Blue	UIA B	1
(unmarked)	Black	UIA N	1
ON	Green	UIA 01	1
OFF	Red	UIA 02	1
START	Green	UIA 03	1
STOP	Red	UIA 04	1
MARCHE	Green	UIA 05	1
ARRET	Red	UIA 06	1
I	Green	UIA 07	1
O	Red	UIA 08	1

Inserts for Illuminated Push Button (set of 5):

Marking	Color	REF	Pack
(unmarked)	Green	UIL G	1
(unmarked)	Red	UIL R	1
(unmarked)	Yellow	UIL Y	1
(unmarked)	White	UIL W	1
(unmarked)	Blue	UIL B	1
ON	Green	UIL 01	1
OFF	Red	UIL 02	1
START	Green	UIL 03	1
STOP	Red	UIL 04	1
MARCHE	Green	UIL 05	1
ARRET	Red	UIL 06	1
I	Green	UIL 07	1
O	Red	UIL 08	5

Spare Key:
For all key-operated buttons.

Description	REF	Pack
Spare key type 4 A 185	SK4A185	1

CONTROL STATIONS & SWITCHES

Ⓐ **Appleton**®

Zone 1 & 2 – 21 & 22
Ⓔⓧ *II 2 GD*
ATEX / IEC
IP66 – IK10

Accessories - Continued:

	Description	Catalog Number
	Additional Contacts Each actuator is capable of activating 3 contacts. Exception: Illuminated push button and all actuators with key: 2 contacts maximum	
	1NO contact	UCB5R
	1NC contact	UCB9R
	Yellow Guard Mushroom head protection for emergency stop	
		098657
	Padlockable Guard Stainless steel and plastic cover, capacity: 3 padlocks dia. 6 mm maximum (not supplied)	
	For push button and rotary actuator	UPLD1S
	For mushroom head actuator	UPLD2S
	Cable Gland Exe **For unarmored cable Exe - IP66 - in polyamide with entry thread seal**	
	M20 (capacity 6.5-14.5 mm)	095605
	M25 (capacity 8-18.5 mm)	095606
	For armored cable Exe / Exd - IP66 - in nickel plated brass (without entry thread seal)	
	Braid and Tape type: M20 (inner: 6.4-14.0 / outer: 12.5-20.9 mm)	20E1FX5
	M25 (inner: 11.1-20.0 / outer: 18.2-26.2 mm)	25E1FX5
	Single Wired Armor (SWA): M20 (inner: 6.4-14.0 / outer: 12.5-20.9 mm)	20E1FW5
	M25 (inner: 11.1-20.0 / outer: 18.2-26.2 mm)	25E1FW5
	Adaptors Exd / Exe - IP66 in nickel plated brass (without entry thread seal)	
	Male M25 - Female 1" NPT	737DM3T35
	Male M25 - Female 3/4" NPT	737DM3T25
	Male M20 - Female 1/2" NPT	737DM2T15
	Male M20 - Female 3/4" NPT	737DM2T25
	Entry Thread Seal M20 (in black neoprenne)	20ETS
	M25 (in black neoprenne)	25ETS
	M20 (in white nylon)	20ETS2
	M25 (in white nylon)	25ETS2
	Combination Drain and Breather Exe - IP66 - supplied with entry thread seal and locknut	
	M20 male thread in polyamide	DBE20P
	M20 male thread in brass	DBE20B
	M20 male thread in stainless steel	DBE20S
	Feedthrough Earth Stud Terminal Exe - IP66 – supplied with entry thread seal, locknut and green/yellow earth conductor (length 300 mm)	
	M20 with M5 earth and 2.5 mm^2 conductor	PREESTM20
	M25 with M6 earth and 6 mm^2 conductor	PREESTM25

Padlockable Guard dimensions: 26 (UPLD1S), 33 (UPLD2S), 49.5, 67.6

CONTROL STATIONS & SWITCHES

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Zone 1 & 2 – 21 & 22
⟨Ex⟩ II 2 GD
ATEX / IEC
IP66 – IK10

Compliances:

Hazardous Area	Gas	Dust
Certified Type	PCe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 ⟨Ex⟩ II 2 G	CE 0081 ⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex de IIC / Ex demb IIC	Ex tD A21
Symbol of Protection IEC		
T Rating	T6	N.A.
Surface Temperature	N.A.	T75°C
Ambient Temperature	-55°C to +60°C	
CE Declaration of Conformity	50221	
ATEX Certificate	LCIE 00 ATEX 6047	
IEC Certificate	LCIE Ex 00.017	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 60079-7; 60079-18; 61241-0; 61241-1
Product Standards	EN / IEC 60947-1; 60947-5
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

Dimensions (mm):

PCe1   PCe2   PCe3

Fixing Details for above Boxes: Two Holes Ø 5

CONTROL STATIONS & SWITCHES

⟨A⟩ **Appleton**®

Polyester

Polyamide

Stainless Steel

Aluminum

Compliance Data:

ATEX – IEC and IECEx (Polyester):

Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IEC / IECEx	CE
Ex de IIC / Ex demb IIC	T6 to T5	Ex tD A21	T75°C to T95°C	IP66 – IK09/10

Voltage and Amperage:

Voltage	Amperage	Pilot Light Voltage	
Up to 500 V	16 A	12 Vac to 254 Vac 50/60 Hz and 12 Vdc to 60 Vdc	

Operating Temperature:

Polyamide (PCe)	Polyester (CSPe)	Stainless Steel (JBe)	Aluminum (PCe)	
-20°C to +55°C	-55°C to +60°C -40°C to +60°C -25°C to +60°C	-50°C to +60°C -40°C to +60°C -25°C to +60°	-55°C to +60°C -40°C to +60°C -25°C to +60°C	
		(depending on type of actuator)		

CONTROL STATIONS & SWITCHES

Catalog Number Logic:

Box (7 digits)
(See Catalog number logic on next page for further number logic breakdown)

U23W211

X	X	X	XX	XX

Series:
U = Unicode 2 Series

Material Type and Mounting:
2 = Polyester rail mounted
4 = Polyamide rail mounted
6 = Stainless steel rail mounted
8 = Aluminum rail mounted

Size:
1 = Size 1
2 = Size 2
3 = Size 3

Drilled Cover Layout:
(01 to 34)

Entry Configuration:

	NPT					Metric			
	1/2"	2 x 1/2"	3/4"	2 x 3/4"	1"	M20	2 x M20	M25	2 x M25
Bottom	Z1	Z2	Z3	Z4	Z5	W1	W2	W3	W4
Top	Y1	Y2	Y3	Y4	Y5	V1	V2	V3	V4
Feed Thru	X1	X2	X3	X4	X5	U1	U2	U3	U4

* Polyamide versions: Only 2 x M20 at bottom

Drilled Cover Layout

Size 1

(1): Stainless steel version only.

01	02	27 (1)

Size 2

| 34 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 26 | 28 (1) | 29 (1) |

Size 3

| 25 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |

| 20 | 21 | 22 | 23 | 24 | 30 (1) | 31 (1) | 32 (1) | 33 (1) |

CONTROL STATIONS & SWITCHES

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Catalog Number Logic – Continued:

Box (7 digits)	Function No.: 1 – Up to 6 Functions (3 to 10 digits)	Box Options
U23W211	**Function**	**XX**

	Device	Device option	Legend Plate	

See previous page for complete box logic breakdown.

_ _ :Contact Blocks

1 = 2NO	**6** = 1NO + 2NC
2 = 2NC	**7** = 3NO
3 = 1NO + 1NC	**8** = 3NC
4 = 2NO + 1NC	**9** = 1NC
5 = 1NO	

_ _ _ Actuator:

Push Button
A = Push button, momentary contacts
B = Black mushroom head, momentary contacts
C = Red mushroom head, key switch E STOP
D = Red mushroom head, push-pull E STOP
E = Push button c/w key removable in both positions
F = Push button c/w key removable in ON position
G = Push button c/w key removable in OFF position
R = Red mushroom head, momentary Contacts

Illuminated Push Button
LW = White illuminated push button
LR = Red illuminated push button
LG = Green illuminated push button
LB = Blue illuminated push button
LY = Yellow illuminated push button

Rotary Actuator 2 & 3-Position
H = 2 positions 0 - I maintained
J = 3 positions I-O-II (I + II maintained)
K = 3 positions I-O-II (I + II spring return)
M = 3 positions I-O-II (I maintained + II spring return O)
N = 3 positions I-O-II (I spring return O + II maintained)

2 to 4-Pole Selector Switch
For both horizontal and vertical rail mounting:
S30 = 2 way 1 pole selector switch
S31 = 3 way 1 pole selector switch
S32 = 2 pole switch
S33 = 3 way 1 pole selector switch with spring return from 135° to 90°
S34 = 3 way 1 pole selector switch with spring return from 45° to 90°
S35 = 4 pole switch
S36 = 3 way 2 pole selector switch
S37 = 2 way 2 pole selector switch
S38 = 3 way 2 pole selector switch with spring return from 45° to 90°
S39 = 3 way 2 pole selector switch with spring return from 135° to 90°

Ammeters, Voltmeters, Analog and Digital Display Devices

Type	Range	Scale
VA Ammeter	**0** = 0-20 mA	**1** = 1.5 in.
VM Milli Ammeter	**1** = 1A C.T.	**3** = 3 in.
VV Voltmeter	**2** = Direct	**5** = 5 in.
	4 = 4-20 mA	**6** = 6 in.
	5 = 5A C.T.	

_ :Guard

1 = Guard for mushroom head actuator
2 = Padlocking for push button and rotary actuator
3 = Padlocking for mushroom head actuator

Pilot Lights LED

PW = White	**PB** = Blue
PR = Red	**PY** = Yellow
PG = Green	

BP = Cover Blanking Plug

_ _ :Inserts

Inserts for PB and Illuminated PB

	Marking	Color
G	(unmarked)	Green
R	(unmarked)	Red
Y	(unmarked)	Yellow
W	(unmarked)	White
B	(unmarked)	Blue
N	(unmarked)	Black
01	ON	Green
02	OFF	Red
03	START	Green
04	STOP	Red
05	MARCHE	Green
06	ARRET	Red
07	I	Green
08	O	Red

_ _ _ _ :Legend Plate

Small	Large	Text		Small	Large	Text
SA00	LA00	Blank		SH01	LH01	0 - I
SA01	LA01	ON		SH02	LH02	ON - OFF
SA02	LA02	OFF		SH03	LH03	START - STOP
SA03	LA03	FORWARD		SH04	LH04	STOP - START
SA04	LA04	REVERSE		SH05	LH05	HAND - AUTO
SA05	LA05	JOG		SH06	LH06	MANU - AUTO
SA06	LA06	RUN		SH07	LH07	FORWARD - REVERSE
SA07	LA07	START		SH08	LH08	REMOTE - LOCAL
SA08	LA08	STOP		SH09	LH09	MARCHE - ARRET
SA09	LA09	UP		Small	Large	Text
SA10	LA10	DOWN		SJ01	LJ01	I - O - II
SA11	LA11	FAST		SJ02	LJ02	OFF - 0 - ON
SA12	LA12	SLOW		SJ03	LJ03	START - NORMAL - STOP
SA13	LA13	RAISE		SJ04	LJ04	HAND - OFF - AUTO
SA14	LA14	LOWER		SJ05	LJ05	MANU - 0 - AUTO
SA15	LA15	OPEN		SJ06	LJ06	FORWARD - OFF - REVERSE
SA16	LA16	CLOSE		SJ07	LJ07	LOCAL - REMOTE - AUTO
SA17	LA17	LOW		SJ08	LJ08	LOCAL - 0 - REMOTE
SA18	LA18	HIGH		SJ09	LJ09	MARCHE - NORMAL - ARRET
SA19	LA19	TEST				
SA20	LA20	RESET				
SA21	LA21	EMERGENCY STOP				
SA22	LA22	MARCHE				
SA23	LA23	ARRET				
SA24	LA24	ARRET D'URGENCE				
SA25	LA25	HAUT				
SA26	LA26	BAS				

_ :Options

M6 = M6 earth stud
M8 = M8 earth stud
M1 = M10 earth stud
P5 = M5 earth stud (via M20 plug)
P6 = M6 earth stud (via M25 plug)

EP = Brass earth continuity plate*
(2 x M20 for polyamide box)

* As a standard for polyester box

Examples:

Push button with 1 NO contact and green (unmarked insert — A5G)
Red push-pull emergency stop button with 2 NC contacts — D2
Red push-pull emergency stop button with 1 NO + 1 NC contacts and padlocking device — D33

CONTROL STATIONS & SWITCHES

Appleton®

Zone 1 & 2 – 21 & 22
⬡ *II 2 GD*

Devices:

Push Buttons, Momentary Contacts (3 maximum)
With 2 NO momentary contacts	A1
With 2 NC momentary contacts	A2
With 1 NO + 1 NC momentary contacts	A3
With 2 NO + 1 NC momentary contacts	A4
With 1 NO momentary contact	A5
With 1 NO + 2 NC momentary contacts	A6
With 3 NO momentary contacts	A7
With 3 NC momentary contacts	A8
With 1 NC momentary contact	A9

Illuminated Push Buttons, Momentary Contacts (2 maximum)
Green with 2 NO momentary contacts	LG1
Green with 2 NC momentary contacts	LG2
Green with 1 NO + 1 NC momentary contacts	LG3
Green with 1 NO momentary contacts	LG5
Green with 1 NC momentary contacts	LG9
Red with 2 NO momentary contacts	LR1
Red with 2 NC momentary contacts	LR2
Red with 1 NO + 1 NC momentary contacts	LR3
Red with 1 NO momentary contacts	LR5
Red with 1 NC momentary contacts	LR9

For other colors replace 2nd digit by proper letter
B for Blue, W for White and Y for Yellow
example: Blue — LB1

Push buttons complete with key removable in both positions, (2 contacts maximum)
With 2 NO contacts	E1
With 2 NC contacts	E2
With 1 NO + 1 NC contacts	E3
With 1 NO contact	E5
With 1 NC contact	E9

Push buttons complete with key removable in ON position, (2 contacts maximum)
With 2 NO contacts	F1
With 2 NC contacts	F2
With 1 NO + 1 NC contacts	F3
With 1 NO contact	F5
With 1 NC contact	F9

Push buttons complete with key removable in OFF position, (2 contacts maximum)
With 2 NO contacts	G1
With 2 NC contacts	G2
With 1 NO + 1 NC contacts	G3
With 1 NO contact	G5
With 1 NC contact	G9

Black Mushroom Head Push Buttons, Momentary Contacts (3 maximum)
With 2 NO momentary contacts	B1
With 2 NC momentary contacts	B2
With 1 NO + 1 NC momentary contacts	B3
With 2 NO + 1 NC momentary contacts	B4
With 1 NO momentary contact	B5
With 1 NO + 2 NC momentary contacts	B6
With 3 NO momentary contacts	B7
With 3 NC momentary contacts	B8
With 1 NC momentary contact	B9

Red Mushroom Head Push Buttons, Momentary Contacts (3 maximum)
With 2 NO momentary contacts	R1
With 2 NC momentary contacts	R2
With 1 NO + 1 NC momentary contacts	R3
With 2 NO + 1 NC momentary contacts	R4
With 1 NO momentary contact	R5
With 1 NO + 2 NC momentary contacts	R6
With 3 NO momentary contacts	R7
With 3 NC momentary contacts	R8
With 1 NC momentary contact	R9

Red Mushroom Head Emergency Stop Buttons, Maintained Contacts (3 maximum)
Push-pull version with 2 NO maintained contacts	D1
Push-pull version with 2 NC maintained contacts	D2
Push-pull version with 1 NO + 1 NC maintained contacts	D3
Push-pull version with 2 NO + 1 NC maintained contacts	D4
Push-pull version with 1 NO maintained contact	D5
Push-pull version with 1 NO + 2 NC maintained contacts	D6
Push-pull version with 3 NO maintained contacts	D7
Push-pull version with 3 NC maintained contacts	D8
Push-pull version with 1 NC maintained contact	D9

Red Mushroom Head Emergency Stop Buttons, Maintained Contacts (2 maximum)
Key to release with 2 NO maintained contacts	C1
Key to release with 2 NC maintained contacts	C2
Key to release with 1 NO + 1 NC maintained contacts	C3
Key to release with 1 NO maintained contact	C5
Key to release with 1 NC maintained contact	C9

2 Positions O-I Rotary Actuator (O and I maintained)
With 2 NO maintained contacts	H1
With 2 NC maintained contacts	H2
With 1 NO + 1 NC maintained contacts	H3
With 2 NO + 1 NC maintained contacts	H4
With 1 NO maintained contact	H5
With 1 NO + 2 NC maintained contacts	H6
With 3 NO maintained contacts	H7
With 3 NC maintained contacts	H8
With 1 NC maintained contact	H9

3 Positions I-O-II Rotary Actuator (I and II maintained)
With 2 NO maintained contacts	J1
With 2 NC maintained contacts	J2
With 1 NO + 1 NC maintained contacts	J3
With 2 NO + 1 NC maintained contacts	J4
With 1 NO + 2 NC maintained contacts	J6
With 3 NO maintained contacts	J7
With 3 NC maintained contacts	J8

3 Positions I-O-II Rotary Actuator (I and II spring-return to O)
With 2 NO contacts	K1
With 2 NC contacts	K2
With 1 NO + 1 NC contacts	K3
With 2 NO + 1 NC contacts	K4
With 1 NO + 2 NC contacts	K6
With 3 NO contacts	K7
With 3 NC contacts	K8

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Zone 1 & 2 – 21 & 22
Ⓔ **II 2 GD**

Devices – Continued:
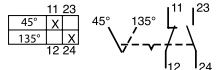
3 Positions I-O-II Rotary Actuator (I Maintained and II Spring-Return to 0)
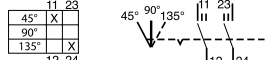|	
With 2 NO contacts	M1
With 2 NC contacts	M2
With 1 NO + 1 NC contacts	M3
With 2 NO + 1 NC contacts	M4
With 1 NO + 2 NC contacts	M6
With 3 NO contacts	M7
With 3 NC contacts	M8
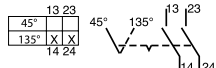
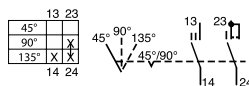**3 Positions I-O-II Rotary Actuator (I Spring-Return to 0 + II Maintained)**
With 2 NO contacts	N1
With 2 NC contacts	N2
With 1 NO + 1 NC contacts	N3
With 2 NO + 1 NC contacts	N4
With 1 NO + 2 NC contacts	N6
With 3 NO contacts	N7
With 3 NC contacts	N8
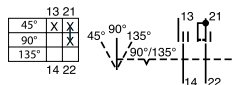
Selector Switches
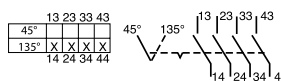
2 ways 1-pole Selector switch		S30
3 ways 1-pole Selector switch		S31
2-pole switch		S32
3 ways 1-pole Selector switch with spring return from 135° to 90°		S33
3 ways 1-pole Selector switch with spring return from 45° to 90°		S34
4-pole switch		S35
3 ways 2-pole Selector switch		S36
2 ways 2-pole Selector switch		S37
3 ways 2-pole Selector switch with spring return from 45° to 90°		S38
3 ways 2-pole Selector switch with spring return from 135° to 90°		S39
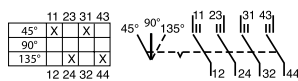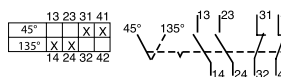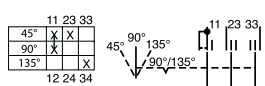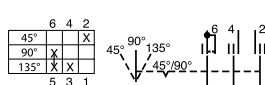
LED Pilot Lights
Blue color	PB
Green color	PG
Red color	PR
White color	PW
Yellow color	PY

Ammeters 48 x 48 mm
1A C.T. and 3 F.L.C. with 0-1-3 scale	VA13
1A C.T. and 5 F.L.C. with 0-1-5 scale	VA15
1A C.T. and 6 F.L.C. with 0-1-6 scale	VA16
5A C.T. and 3 F.L.C. with 0-1-3 scale	VA53
5A C.T. and 5 F.L.C. with 0-1-5 scale	VA55
5A C.T. and 6 F.L.C. with 0-1-6 scale	VA56

Device Options:

Guard and Padlocking Devices
Guard for mushroom head push button	1
Padlocking device for push button and rotary actuator	2
Padlocking device for for mushroom head push button	3

Inserts for Push Buttons
Green (unmarked)	G
Red (unmarked)	R
Yellow (unmarked)	Y
White (unmarked)	W
Blue (unmarked)	B
Black (unmarked)	N
ON (green)	01
OFF (red)	02
START (green)	03
STOP (red)	04
MARCHE (green)	05
ARRET (red)	06
I (green)	07
O (red)	08

Inserts for Illuminated Push Buttons
ON (green)	01
OFF (red)	02
START (green)	03
STOP (red)	04
MARCHE (green)	05
ARRET (red)	06
I (green)	07
O (red)	08

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Zone 1 & 2 – 21 & 22
⬡ *II 2 GD*

Legend Plates:

Legend Plates for Push Buttons and Pilot Lights (Located Above Device)

Text	Small	Large
Blank	SA00	LA00
ON	SA01	LA01
OFF	SA02	LA02
FORWARD	SA03	LA03
REVERSE	SA04	LA04
JOG	SA05	LA05
RUN	SA06	LA06
START	SA07	LA07
STOP	SA08	LA08
UP	SA09	LA09
DOWN	SA10	LA10
FAST	SA11	LA11
SLOW	SA12	LA12
RAISE	SA13	LA13
LOWER	SA14	LA14
OPEN	SA15	LA15
CLOSE	SA16	LA16
LOW	SA17	LA17
HIGH	SA18	LA18
TEST	SA19	LA19
RESET	SA20	LA20
EMERGENCY STOP	SA21	LA21
MARCHE	SA22	LA22
ARRET	SA23	LA23
ARRET D'URGENCE	SA24	LA24
HAUT	SA25	LA25
BAS	SA26	LA26

Legend Plates for 2-Position Selector Switches (Located Above Device)

Text	Small	Large
O - I	SH01	LH01
ON - OFF	SH02	LH02
START - STOP	SH03	LH03
STOP - START	SH04	LH04
HAND - AUTO	SH05	LH05
MANU - AUTO	SH06	LH06
FORWARD - REVERSE	SH07	LH07
REMOTE - LOCAL	SH08	LH08
MARCHE - ARRET	SH09	LH09

Legend Plates for 3-Position Selector Switches (Located Above Device)

Text	Small	Large
I - O - II	SJ01	LJ01
OFF - O -ON	SJ02	LJ02
START - NORMAL - STOP	SJ03	LJ03
HAND - OFF - AUTO	SJ04	LJ04
MANUAL - O - AUTO	SJ05	LJ05
FORWARD - OFF - REVERSE	SJ06	LJ06
LOCAL - REMOTE - AUTO	SJ07	LJ07
LOCAL - O - REMOTE	SJ08	LJ08
MARCHE - NORMAL - ARRET	SJ09	LJ09

Box Options:

Earth Stud

M6 earth stud	M6
M8 earth stud	M8
M10 earth stud	M1
M6 earth stud (via M25 blanking plug)	P5
M5 earth stud (via M20 blanking plug)	P6

Earth Continuity Plate

Brass	EP

Examples:

- Push button with 1 NO contact and green (unmarked) insert	A5 G
- Push button with 1 NC contact, padlocking device and red (unmarked) insert	A9 2R
- Push button with 2 NO contacts and START green insert	A1 03
- Push button with 2 NO contacts, padlocking device and START green insert	A1 203
- Push button with 2 NO contacts, padlocking device, START green insert and DOWN small legend plate	A1 203 SA10
- Red push-pull emergency stop button with 2 NC contacts	D2
- Red push-pull emergency stop button with 1 NO + 1 NC contacts and protective guard	D3 1
- Red push-pull emergency stop button with 1 NO + 1 NC contacts and padlocking device	D3 3
- Green illuminated push button with 1 NO contact	LG5
- Green illuminated push button with 2 NO contacts, padlocking device and START green insert	LG1 203
- Green pilot light	PG
- Red pilot light with STOP large legend plate	PR LA08
- 2-position rotary actuator with 2 NO contacts	H1
- 2-position rotary actuator with 2 NO contacts and HAND - AUTO small legend plate	H1 SH05
- 3-position I-O-II rotary actuator (I + II maintained) with 2 NO contacts	J1
- 3-position I-O-II rotary actuator (I + II maintained) with 2 NO contacts and FORWARD-OFF-REVERSE large legend plate	J1 LJ06
- 2-pole switch	S32
- 2-pole switch with 0 - I large legend plate	S32 LH01
- 4-pole switch	S35
- 4-pole switch with 0 - I large legend plate	S35 LH01
- 2 way 1-pole selector switch with STOP - START large legend plate	S30 LH04
- 3 way 1-pole selector switch with OFF - 0 - ON large legend plate	S31 LJ02

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Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*

Ordering Example:

Polyester Control Station

Size 3 with 3 vertical actuators. 2 x M20 entries at bottom with brass earth continuity plate.
Without earth stud.
Without cable glands and plugs.
White self-adhesive name plate with black lettering.
Text: MOTOR 4
Position 1: Green pilot light without legend plate.

Position 2: Green start push button with 2 x NO contacts.
Green start insert without legend plate and guard.

Position 7: Emergency stop push-pull mushroom head with 2 x NC contacts without legend plate and guard.

Part No.:

U23W211 PG A103 D2

Following inquiry forms should be filled out and sent to your local APPLETON / ATX Representative.

Polyester Customized Control Station Specifications – Type U2

Company: _____	Address: _____
Contact: _____	_____
Phone/Fax: _____	
E-mail: _____	Project: _____

Box Definition

Size 1 — 01 □, 02 □
Size 2 — 03* □, 04 □, 05* □, 06 □, 07 □, 08 □, 09* □, 26 □
Size 3 — 25 □, 10* □, 11 ☒, 12* □, 13* □, 14 □, 15* □, 16 □, 17 □, 18 □, 19 □, 20 □, 21* □, 22* □, 23 □, 24 □

*Terminal block available as option. (maximum: 10 x terminals 2.5mm²)

Entry Positions

Entries (Threaded)
☒ M20
□ M25   □ 3/4" NPT (via HUB)

Earth Continuity Plate
Brass earth plate as standard
□ Stainless Steel Earth Plate

Earth Stud
☒ Without
□ M6 Stainless Steel Earth Stud
□ M8 Stainless Steel Earth Stud
Location: A □ B □ C □ D □ D☐B (A/C)

Cable Glands
☒ Without
□ Type: _____ Quantity: _____

Plugs
☒ Without
□ Type: _____ Quantity: _____

Name Plate

□ Without

Type
☒ 58 x 18 self adhesive Laminated Plastic
□ 65 x 18 screwed Laminated Plastic
□ 65 x 18 screwed in Stainless steel (black lettering)

Colour
☒ White (black letters)   Blue (white letters) □
□ Yellow (black letters)   Black (white letters) □
□ Red (white letters)   Green (white letters) □

Text (1 line): _____ MOTOR 4

Position	Actuator	Contacts	Insert	Legend Plate	Guard
1	PG	0	0	0	0
4	A	1	03	0	0
7	D	2	0	0	0

* Terminal Blocks (Optional)	Type	Quantity (10 maximum)
Option for box No. 03-05-09-10-12-13-15-21-22 only	2.5 mm²	

Additional Instructions:

CONTROL STATIONS & SWITCHES

⟨A⟩ **Appleton®**

Polyamide Customized Control Station Specifications — Type: U4

Company: _____	Address: _____
Contact: _____	_____
Phone/Fax: _____	_____
E-mail: _____	Project: _____

Box Definition

Size 1   Size 2   Size 3

01 ☐   34 ☐   04 ☐   09 ☐   25 ☐   11 ☐   21 ☐   23 ☐

Entry Positions | **Entries (clearance hole)** | **Earth Stud (At Bottom)**
☐ M20 | ☐ Without
| **Earth Continuity Plate** | ☐ M6 Stainless Steel Earth Stud (via M20 entry)
| ☐ Brass Earth Plate
| ☐ Stainless Steel Earth Plate

Cable Glands | **Plugs**
☐ Without | ☐ Without
☐ Type: _____ Quantity: ____ | ☐ Type: _____ Quantity: ____

Name Plate

☐ Without | **Type** ☐ 58 x 18 Self-Adhesive Laminated Plastic | **Color**
☐ White (black letters)   Blue (white letters) ☐
☐ Yellow (black letters)   Black (white letters) ☐
☐ Red (white letters)   Green (white letters) ☐

Text (1 line): _____

Position	Actuator	Contacts	Insert	Legend Plate	Guard

Additional Instructions:

Polyester Customized Control Station Specifications — Type: U2

Company: _____	Address: _____
Contact: _____	_____
Phone/Fax: _____	_____
E-mail: _____	Project: _____

Box Definition

Size 1   **Size 2**

01 ☐   02 ☐   03* ☐   04 ☐   05* ☐   06 ☐   07 ☐   08 ☐   09* ☐   26 ☐

Size 3

25 ☐   10* ☐   11 ☐   12* ☐   13* ☐   14 ☐   15* ☐   16 ☐   17 ☐   18 ☐   19 ☐   20 ☐   21* ☐   22* ☐   23 ☐   24 ☐

*Terminal block available as option. (maximum: 10 x terminals 2.5mm^2)

Entry Positions

☐   ☐   ☐

Entries (Threaded)

☐ M20
☐ M25   ☐ 3/4" NPT (via HUB)

Earth Continuity Plate

Brass Earth Plate as Standard
☐ Stainless Steel Earth Plate

Earth Stud

☐ Without
☐ M6 Stainless Steel Earth Stud
☐ M8 Stainless Steel Earth Stud

Location:
A ☐   B ☐   C ☐   D ☐   D ☐ B / A / C

Cable Glands

☐ Without
☐ Type: _____   Quantity: _____

Plugs

☐ Without
☐ Type: _____   Quantity: _____

Name Plate

☐ Without

Type
☐ 58 x 18 Self-Adhesive Laminated Plastic
☐ 65 x 18 Screw On Laminated Plastic

☐ 65 x 18 Screw On in Stainless steel (black lettering)

Text (1 line): _____

Color
☐ White (black letters)   Blue (white letters) ☐
☐ Yellow (black letters)   Black (white letters) ☐
☐ Red (white letters)   Green (white letters) ☐

Position	Actuator	Contacts	Insert	Legend Plate	Guard

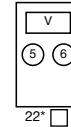| * Terminal Blocks (Optional)	Type	Quantity (10 maximum)
Option for Box No. 03-05-09-10-12-13-15-21-22 only	2.5 mm^2	

Additional Instructions:

CONTROL STATIONS 2 SWITCHES

® Appleton

Stainless Steel Customized Control Station Specifications — Type: U6

Company: _____	**Address:** _____
Contact: _____	_____
Phone/Fax: _____	_____
E-mail: _____	**Project:** _____

Box Definition

Size 1

01 ☐   27 ☐

Size 2

03* ☐   04 ☐   28* ☐   29 ☐   09* ☐   26 ☐
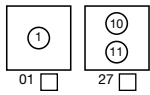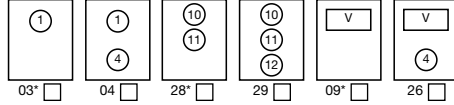
Size 3

30 ☐   31* ☐   32 ☐   33 ☐

*Terminal block available as option. (maximum: 10 x terminals 2.5mm^2)
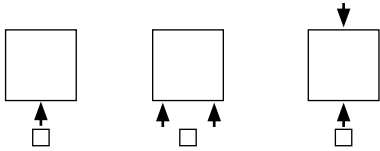
Entry Positions	Entries (Clearance Hole)	Earth Stud
	☐ M20	M6 Stainless Steel Earth Stud as Standard
	☐ M25 ☐ 3/4" NPT (via HUB)	☐ M8 Stainless Steel Earth Stud
		Location: A ☐ B ☐ C ☐ D ☐ D☐B / C

Cable Glands

☐ Without
☐ Type: _____ Quantity: _____

Plugs

☐ Without
☐ Type: _____ Quantity: _____

Name Plate

☐ Without

Type
☐ 58 x 18 Self-Adhesive Laminated Plastic
☐ 65 x 18 Screw On Laminated Plastic

☐ 65 x 18 Screw On Stainless Steel (black lettering)

Text (1 line): _____

Color
☐ White (black letters)   Blue (white letters) ☐
☐ Yellow (black letters)   Black (white letters) ☐
☐ Red (white letters)   Green (white letters) ☐

Position	Actuator	Contacts	Insert	Legend Plate	Guard

* Terminal Blocks (Optional)	Type	Quantity (10 maximum)
Option for Box No. 03-09-28-31 only	2.5 mm^2	

Additional Instructions:
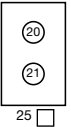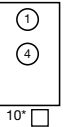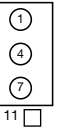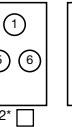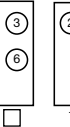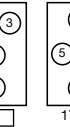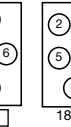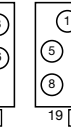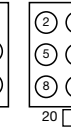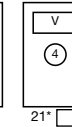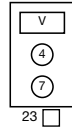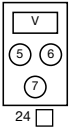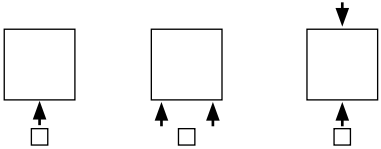
CONTROL STATIONS & SWITCHES

Aluminum Customized Control Station Specifications — Type: U8

Company: _____	**Address:** _____	
Contact: _____	_____	
Phone/Fax: _____		
E-mail: _____	**Project:** _____	

Box Definition

Size 1   Size 2

01 ☐   02 ☐   03* ☐   04 ☐   05* ☐   06 ☐   07 ☐   08 ☐   09* ☐   26 ☐

Size 3

25 ☐ 10* ☐ 11 ☐ 12* ☐ 13* ☐ 15* ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21* ☐ 22* ☐ 23 ☐ 24 ☐

*Terminal block available as option. (maximum: 10 x terminals 2.5mm^2)

Entry Positions	**Entries (Clearance Hole)**	**Earth Stud**
(diagrams) ☐ ☐ ☐ ☐	☐ M20 ☐ M25 ☐ 3/4" NPT (via HUB)	M5 External Earth as Standard ☐ M6 Stainless Steel Earth Stud ☐ M8 Stainless Steel Earth Stud **Location:** A ☐ B ☐ C ☐ D ☐

Cable Glands	**Plugs**
☐ Without ☐ Type: _____ Quantity: _____	☐ Without ☐ Type: _____ Quantity: _____

Name Plate

| ☐ Without | **Type**
 ☐ 58 x 18 Self-Adhesive Laminated Plastic
 ☐ 65 x 18 Screw On Laminated Plastic

 ☐ 65 x 18 Screw On in Stainless Steel (black lettering)
 Text (1 line): _____ | **Color**
 ☐ White (black letters)   Blue (white letters) ☐
 ☐ Yellow (black letters)   Black (white letters) ☐
 ☐ Red (white letters)   Green (white letters) ☐ |

Position	Actuator	Contacts	Insert	Legend Plate	Guard

* Terminal Blocks (Optional)	**Type**	**Quantity (10 maximum)**
Option for Box No. 03-05-09-10-12-13-15-21-22 only	2.5 mm^2	

Additional Instructions:

CONTROL STATIONS & SWITCHES

Appleton®

Polamide U43W211

Polyester U23W211

Stainless Steel U62W229

Aluminum U83W211

Compliance Data:

ATEX – IEC and IECEx (Polyester):

Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IEC / IECEx	CE
Ex de IIC / Ex demb IIC	T6 to T5	Ex tD A21	T75°C to T95°C	IP66 – IK09/10

Voltage and Amperage:

Voltage	Amperage	Pilot Light Voltage
Up to 500 V	16 A	12 Vac to 254 Vac 50/60 Hz and 12 Vdc to 60 Vdc

Operating Temperature:

Polyamide (PCe)	Polyester (CSPe)	Stainless Steel (JBe)	Aluminum (PCe)	
-20°C to +55°C	-55°C to +60°C -40°C to +60°C -25°C to +60°C	-50°C to +60°C -40°C to +60°C -25°C to +60°	-55°C to +60°C -40°C to +60°C -25°C to +60°C	
		(depending on type of actuator)		

CONTROL STATIONS & SWITCHES

Appleton®

Zone 1 & 2 – 21 & 22
⟨Ex⟩ *II 2 GD*
ATEX / IEC
IP66 – IK09

Ordering Information - Polyamide Pre-drilled Boxes for Control Stations
Standard equipment: 1 white self-adhesive laminated plastic nameplate (black lettering), 2 clearance entries at bottom.

Description/ Function	Entries	Catalog Number 2 Bottom	Weight (kg)	Volume (dm³)
Size 1 Pre-drilled Enclosures				
For 1 actuator 1 vertical rail	M20	**U41W2 01**	0.7	2.5
Size 2 Pre-drilled Enclosures				
For 1 actuator 1 vertical rail	M20	**U42W2 34**	0.9	2.5
For 2 actuators 1 vertical rail	M20	**U42W2 04**	0.9	2.5
Size 3 Pre-drilled Enclosures				
For 2 actuators 1 vertical rail	M20	**U43W2 25**	1	2.5
For 3 actuators 1 vertical rail	M20	**U43W2 11**	1	2.5
For 1 ammeter 48 x 48 + 1 actuator 1 vertical rail	M20	**U43W2 21**	1	2.5
For 1 ammeter 48 x 48 + 2 actuators 1 vertical rail	M20	**U43W2 23**	1	2.5

CONTROL STATIONS & SWITCHES

⟨Ⓐ⟩ **Appleton**®

Control Stations & Switches: Control Stations – Increased Safety

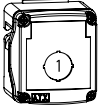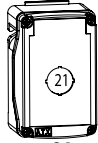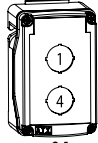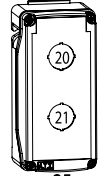## Unicode 2 Series: Pre-drilled Polyester Control Stations
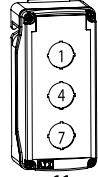
Zone 1 & 2 – 21 & 22
⟨Ex⟩ II 2 GD
ATEX / IECEx
IP66 – IK10

Ordering Information - Polyester Pre-Drilled Boxes for Control Stations:
Standard equipment: 1 white self-adhesive laminated plastic nameplate (black lettering), 1 earth continuity brass plate, threaded entries.
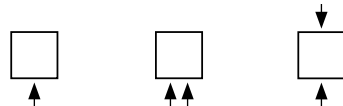
	Description/ Function	Entries	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed-Thru	Weight (kg)	Volume (dm³)
Size 1 Pre-Drilled Enclosures							
01	For 1 actuator 1 horizontal rail	M20 M25	U21W1 01 U21W3 01	U21W2 01 U21W4 01	U21U1 01 U21U3 01	0.8	2.7
02	For 2 actuators 1 horizontal rail	M20 M25	U21W1 02 U21W3 02	U21W2 02 U21W4 02	U21U1 02 U21U3 02	0.8	2.7
Size 2 Pre-Drilled Enclosures							
04	For 2 actuators 1 vertical rail	M20 M25	U22W1 04 U22W3 04	U22W2 04 U22W4 04	U22U1 04 U22U3 04	1	4.2
06	For 3 actuators 2 horizontal rails	M20 M25	U22W1 06 U22W3 06	U22W2 06 U22W4 06	U22U1 06 U22U3 06	1	4.2
08	For 4 actuators 2 horizontal rails	M20 M25	U22W1 08 U22W3 08	U22W2 08 U22W4 08	U22U1 08 U22U3 08	1	4.2
26	For 1 ammeter 48x48 +1 actuator 1 vertical rail	M20 M25	U22W1 26 U22W3 26	U22W2 26 U22W4 26	U22U1 26 U22U3 26	1	4.2
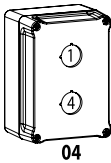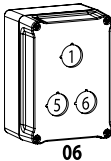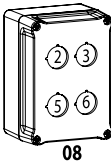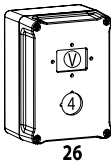
ATX Product Catalog

CONTROL STATIONS & SWITCHES

⟨Ⓐ⟩ **Appleton**®

Zone 1 & 2 – 21 & 22
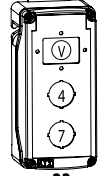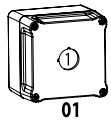⟨Ex⟩ *II 2 GD*
ATEX / IECEx
IP66 – IK10

Ordering Information - Polyester Pre-drilled Boxes for Control Stations — Continued:

Standard equipment: 1 white self-adhesive laminated plastic nameplate (black lettering), 1 earth continuity brass plate, threaded entries.

Description/ Function	Entries	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed-Thru	Weight (kg)	Volume (dm³)
Size 3 Pre-drilled Enclosures (230 mm x 120 mm x 91 mm)						
For 3 actuators 1 vertical rail	M20 M25	U23W1 11 U23W3 11	U23W2 11 U23W4 11	U23U1 11 U23U3 11	1.1	4.2
For 4 actuators 1 vertical rail	M20 M25	U23W1 14 U23W3 14	U23W2 14 U23W4 14	U23U1 14 U23U3 14	1.1	4.2
For 4 actuators 3 horizontal rails	M20 M25	U23W1 16 U23W3 16	U23W2 16 U23W4 16	U23U1 16 U23U3 16	1.1	4.2
For 4 actuators 3 horizontal rails	M20 M25	U23W1 17 U23W3 17	U23W2 17 U23W4 17	U23U1 17 U23U3 17	1.1	4.2
For 5 actuators 3 horizontal rails	M20 M25	U23W1 18 U23W3 18	U23W2 18 U23W4 18	U23U1 18 U23U3 18	1.1	4.2
For 6 actuators 3 horizontal rails	M20 M25	U23W1 20 U23W3 20	U23W2 20 U23W4 20	U23U1 20 U23U3 20	1.1	4.2
For 1 ammeter 48x48 + 2 actuators 1 vertical rail	M20 M25	U23W1 23 U23W3 23	U23W2 23 U23W4 23	U23U1 23 U23U3 23	1.1	4.2
For 1 ammeter 48x48 + 3 actuators 1 vertical rail (V) 2 horizontal rails (5-6-7)	M20 M25	U23W1 24 U23W3 24	U23W2 24 U23W4 24	U23U1 24 U23U3 24	1.1	4.2

CONTROL STATIONS & SWITCHES

Ⓐ® **Appleton**®

Zone 1 & 2 – 21 & 22
(Ex) *II 2 GD*
ATEX / IEC
IP66 – IK10

Ordering Information - Stainless Steel Pre-drilled Boxes for Control Stations:
Standard equipment: 1 white self-adhesive laminated plastic nameplate (black lettering), clearance entries.

Description/ Function	Entries	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed-Thru	Weight (kg)	Volume (dm³)
Size 1 Pre-drilled Enclosures						
For 1 actuator 1 vertical rail	M20 M25	U61W1 01 U61W3 01	U61W2 01 U61W4 01	U61U1 01 U61U3 01	1	2.7
For 2 actuators 1 vertical rail	M20 M25	U61W1 27 U61W3 27	U61W2 27 U61W4 27	U61U1 27 U61U3 27	1	2.7
Size 2 Pre-drilled Enclosures						
For 2 actuators 1 vertical rail	M20 M25	U62W1 04 U62W3 04	U62W2 04 U62W4 04	U62U1 04 U62U3 04	1.5	3.6
For 3 actuators 1 vertical rail	M20 M25	U62W1 29 U62W3 29	U62W2 29 U62W4 29	U62U1 29 U62U3 29	1.5	3.6
For 1 ammeter 48x48 + 1 actuator 1 vertical rail	M20 M25	U62W1 26 U62W3 26	U62W2 26 U62W4 26	U62U1 26 U62U3 26	1.5	3.6
Size 3 Pre-drilled Enclosures						
For 4 actuators 2 vertical rails	M20 M25	U63W1 30 U63W3 30	U63W2 30 U63W4 30	U63U1 30 U63U3 30	1.8	5.3
For 6 actuators 2 vertical rails	M20 M25	U63W1 32 U63W3 32	U63W2 32 U63W4 32	U63U1 32 U63U3 32	1.8	5.3
For 1 ammeter 48 x 48 + 2 actuators 1 vertical rail (V) 1 horizontal rail (5-6)	M20 M25	U63W1 33 U63W3 33	U63W2 33 U63W4 33	U63U1 33 U63U3 33	1.8	5.3
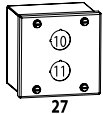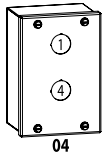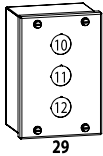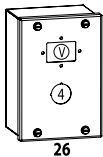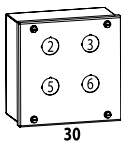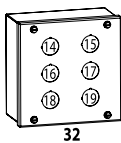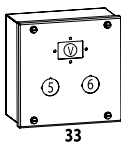
CONTROL STATIONS & SWITCHES

® Appleton®

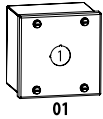*Zone 1 & 2 – 21 & 22*
⟨Ex⟩ *II 2 GD*
ATEX / IEC
IP66 – IK10

Ordering Information - Aluminium Pre-drilled boxes for Control Stations:
Standard equipment: 1 white self-adhesive laminated plastic nameplate (black lettering), clearance entries.

Description/Function	Entries	1 Bottom	2 Bottom	Feed-Thru	Weight (kg)	Volume (dm³)
Size 1 Pre-drilled Enclosures						
For 1 actuator 1 horizontal rail	M20	**U81W1 01**	**U81W2 01**	**U81U1 01**	1	2.7
For 2 actuators 1 horizontal rail	M20	**U81W1 02**	**U81W2 02**	**U81U1 02**	1	2.7
Size 2 Pre-drilled Enclosures						
For 2 actuators 1 vertical rail	M20	**U82W1 04**	**U82W2 04**	**U82U1 04**	1.5	2.7
For 3 actuators 2 horizontal rails	M20	**U82W1 07**	**U82W2 07**	**U82U1 07**	1.5	2.7
For 4 actuators 2 horizontal rails	M20	**U82W1 08**	**U82W2 08**	**U82U1 08**	1.5	2.7
For 1 Ammeter 48x48 + 1 actuator 1 vertical rail	M20	**U82W1 26**	**U82W2 26**	**U82U1 26**	1.5	2.7

⟨A⟩ **Appleton**®

Zone 1 & 2 – 21 & 22
Ⓔⓧ *II 2 GD*
ATEX / IEC
IP66 – IK10
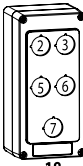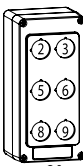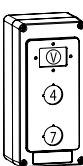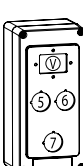
Ordering Information - Aluminum Pre-drilled
Boxes for Control Stations — Continued:
Standard equipment: 1 white self-adhesive laminated plastic nameplate
(black lettering), clearance entries.
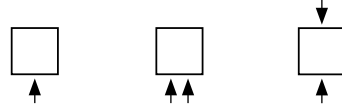
Description/ Function	Entries	Catalog Number 1 Bottom	Catalog Number 2 Bottom	Catalog Number Feed-Thru	Weight (kg)	Volu (dm³)
Size 3 Pre-drilled Enclosures (230 mm x 110 mm x 95 mm)						
For 3 actuators 1 vertical rail	M20 M25	U83W1 11 U83W3 11	U83W2 11 U83W4 11	U83U1 11 U83U3 11	1.8	4.2
For 4 actuators 3 horizontal rails	M20 M25	U83W1 16 U83W3 16	U83W2 16 U83W4 16	U83U1 16 U83U3 16	1.8	4.2
For 4 actuators 3 horizontal rails	M20 M25	U83W1 17 U83W3 17	U83W2 17 U83W4 17	U83U1 17 U83U3 17	1.8	4.2
For 5 actuators 3 horizontal rails	M20 M25	U83W1 18 U83W3 18	U83W2 18 U83W4 18	U83U1 18 U83U3 18	1.8	4.2
For 6 actuators 3 horizontal rails	M20 M25	U83W1 20 U83W3 20	U83W2 20 U83W4 20	U83U1 20 U83U3 20	1.8	4.2
For 1 ammeter 48x48 + 2 actuators 1 vertical rail	M20 M25	U83W1 23 U83W3 23	U83W2 23 U83W4 23	U83U1 23 U83U3 23	1.8	4.2
For 1 ammeter 48x48 + 3 actuators 1 vertical rail (V) 2 horizontal rails (5-6-7)	M20 M25	U83W1 24 U83W3 24	U83W2 24 U83W4 24	U83U1 24 U83U3 24	1.8	4.2

CONTROL STATIONS & SWITCHES

⊛ **Appleton**®

Control Stations & Switches: Control Stations – Increased Safety

## Unicode 2 Series: Pre-drilled Control Stations
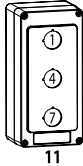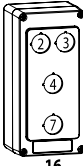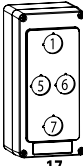
Zone 1 & 2 – 21 & 22
Ⓔ *II 2 GD*
ATEX / IEC / IECEx
IP66 – IK09/10

Compliances:

Hazardous Area	Polyester		Polyamide	
	Gas	Dust	Gas	Dust
Certified Type	CSPe		PCe	
Zones	1–2	21–22	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 Ⓔ II 2 G	CE 0081 Ⓔ II2 D	CE 0081 Ⓔ II 2 G	CE 0081 Ⓔ II2 D
Symbol of Protection ATEX	Ex de IIC / Ex demb IIC	Ex tD A21	Ex de IIC / Ex demb IIC	Ex tD A21
Symbol of Protection IEC				
T Rating	T6	N.A.	T6	N.A.
Surface Temperature	N.A.	T75°C	N.A.	T75°C
Ambient Temperature	-55°C to +60°C		-20°C to +55°C	
CE Declaration of Conformity	50284		50221	
ATEX Certificate	LCIE 09 ATEX 3032X		LCIE 00 ATEX 6047	
IEC or IECEx Certificate	IECEx LCI 09.0016X		LCIE Ex 00.017	
Other Certifications	GOST			
Index of Protection (solid and liquid)	IP66			
Impact Resistance (shock)	IK10		IK09	

Hazardous Area	Stainless Steel		Aluminum	
	Gas	Dust	Gas	Dust
Certified Type	JBe		PCe	
Zones	1–2	21–22	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 Ⓔ II 2 G	CE 0081 Ⓔ II2 D	CE 0081 Ⓔ II 2 G	CE 0081 Ⓔ II2 D
Symbol of Protection ATEX	Ex de IIC / Ex demb IIC	Ex tD A21	Ex de IIC / Ex demb IIC	Ex tD A21
Symbol of Protection IEC				
T Rating	T6 to T5	N.A.	T6	N.A.
Surface Temperature	N.A.	T80°C to 95°C	N.A.	T80°C
Ambient Temperature	-50°C to +70°C		-55°C to +60°C	
CE Declaration of Conformity	50232		50221	
ATEX Certificate	LCIE 02 ATEX 6118X		LCIE 00 ATEX 6047	
IEC Certificate	LCIE Ex 02.010X		LCIE Ex 00.017	
Other Certifications	GOST			
Index of Protection (solid and liquid)	IP66			
Impact Resistance (shock)	IK10		IK10	

® Appleton®

Zone 1 & 2 – 21 & 22
⟨Ex⟩ II 2 GD
ATEX / IEC / IECEx
IP66 – IK09/10

Dimensions (mm):

Polyester (CSPe)

Size 1

Size 2

Size 3
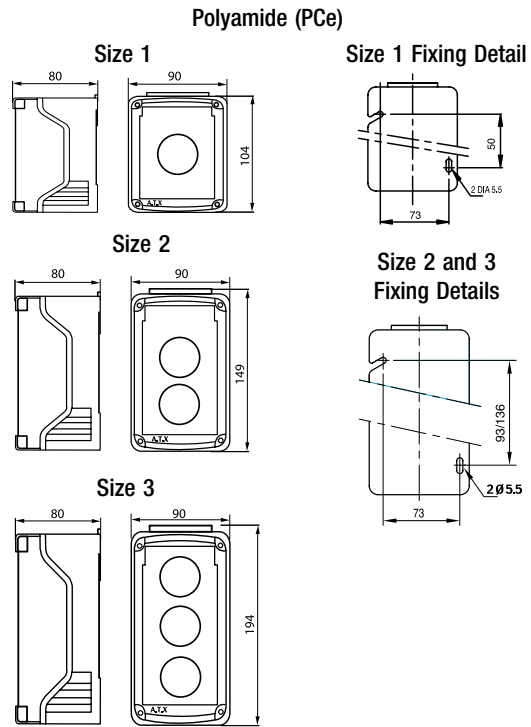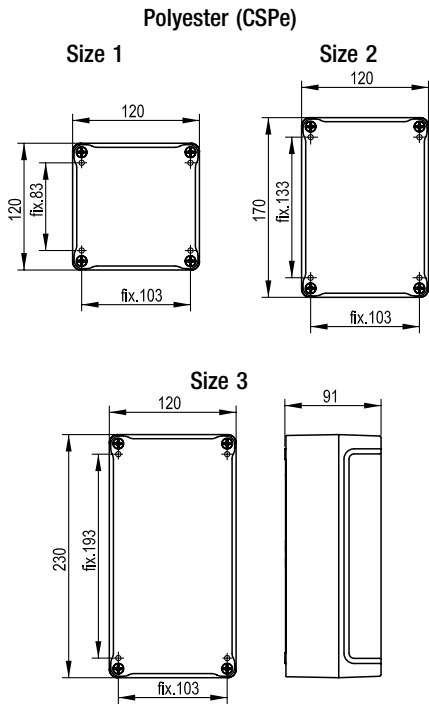
Fixing: Four holes dia. 5 mm

Polyamide (PCe)

Size 1

Size 1 Fixing Detail

Size 2

Size 2 and 3
Fixing Details

Size 3

Stainless Steel (JBe)

Size 1

Size 2

Size 3

Aluminum (PCe)

Size 1

Size 2

Size 3
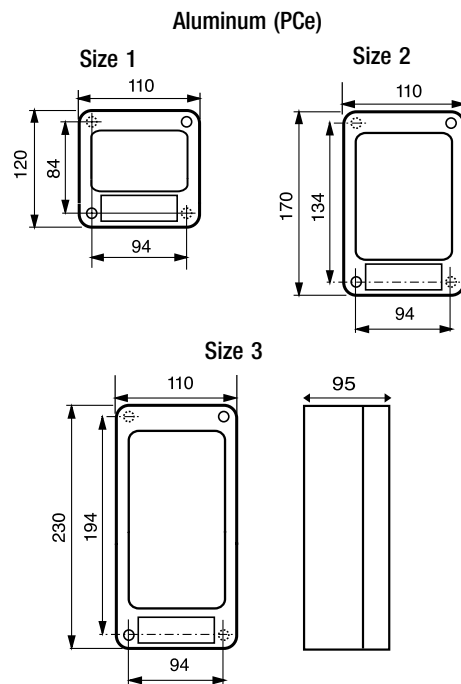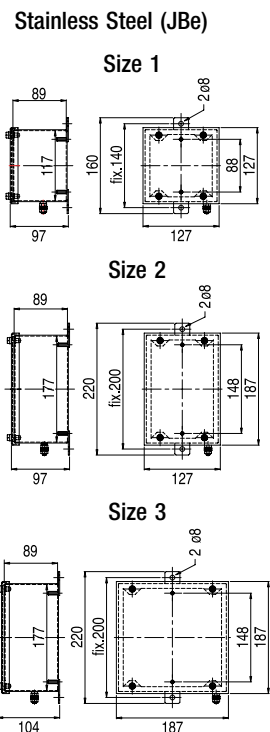
Fixing: Two holes dia. 5 mm

CONTROL STATIONS & SWITCHES

⟨A⟩ Appleton®

Actuators

Stackable Contact Blocks (1, 2, or 3)

Pilot Light

Stackable Pilot Light
with Contact Blocks

Panel Mounting Adaptor

Compliance Data:

ATEX – IEC and IECEx:

Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IEC / IECEx	CE
Ex de IIC / Ex e II	Ex tD A21			IP66 – IK10 (TCe)

Voltage and Amperage:

Voltage	Amperage	Pilot Light Voltage
Up to 500 V	16 A	12 Vac to 254 Vac 50/60 Hz and 12 Vdc to 60 Vdc

Operating Temperature:

-40°C to +60°C				

CONTROL STATIONS & SWITCHES

Appleton

Rail Mounted:

Rail Mounted: 1 - 3 Contacts per Actuator

Rail Mounted: Illuminated Push Button

Panel Mounted:

Panel Mounted: 1 - 3 Contacts per Actuator

Panel Mounted: Illuminated Push Button

⬤ Appleton®

UA0GR
(rail mounted)

UA0GP
(panel mounted)

Contact Block

UIA08

Features:
- Can be equipped with up to 3 contact blocks UCB series.
- ATEX and IECEx certified.
- TS35 rail mounted.
- Panel mounted.

Standard Materials:
- Polyamide body.
- EPDM seal.

Dimensions (mm):

Rail mounted:

Ø39
13
32
M30x1.5

Panel mounted:

Ø39
13
34.5

Ordering Information:

Spring Return - Push Button (contact block to be ordered separately)

Push Button with insert (unmarked)	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
Red + Green	UA0RGR	UA0RGP			1
Green	UA0GR	UA0GP	Rail mounted:		1
Red	UA0RR	UA0RP	0.033	0.06	1
White	UA0WR	UA0WP			1
Blue	UA0BR	UA0BP	Panel mounted:		1
Yellow	UA0YR	UA0YP	0.046	0.17	1
Legend plates, guards, blanking plugs (see accessories page)					

1-Pole Contact Blocks

Contacts	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
1 x NO	UCB5R	UCB5P	0.032	0.06	1
1 x NC	UCB9R	UCB9P			1

Spare Parts

Rail to panel mounted conversion adaptor	UPMA		0.020	0.08	1

Set of Five Spare Inserts

Marking	Color	Catalog Number	Weight (kg)	Volume (dm³)	Pack
(unmarked)	Green	UIA G	0.007	0.008	1
(unmarked)	Red	UIA R	0.007	0.008	1
(unmarked)	Yellow	UIA Y	0.007	0.008	1
(unmarked)	White	UIA W	0.007	0.008	1
(unmarked)	Blue	UIA B	0.007	0.008	1
(unmarked)	Black	UIA N	0.007	0.008	1
ON	Green	UIA 01	0.007	0.008	1
OFF	Red	UIA 02	0.007	0.008	1
START	Green	UIA 03	0.007	0.008	1
STOP	Red	UIA 04	0.007	0.008	1
MARCHE	Green	UIA 05	0.007	0.008	1
ARRET	Red	UIA 06	0.007	0.008	1
I	Green	UIA 07	0.007	0.008	1
O	Red	UIA 08	0.007	0.008	1

Compliances:

Hazardous Area	Gas	Dust
Certified Type	TCe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0081 ⟨Ex⟩ II 2 G	0081 ⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex e II	Ex tD A21
Symbol of Protection IEC		
Service Temperature	-40°C to +60°C	
CE Declaration of Conformity	5C242	
ATEX Certificate	LCIE 09 ATEX 3010U	
IECEx Certificate	IECEx LCI 09.0011U	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-7; 61241-0; 61241-1
Product Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

CONTROL STATIONS & SWITCHES

Appleton®

UR0R
(rail mounted)

UR0P
(panel mounted)

UD0R
(rail mounted)

UD0P
(panel mounted)

Contact Block

Features:
- Can be equipped with up to 3 contact blocks UCB series.
- ATEX and IECEx certified.
- TS35 rail mounted.
- Panel mounted.

Standard Materials:
- Polyamide body.
- EPDM seal.

Dimensions (mm):

Rail mounted:

Ø40.5
39.5
58.5
M30x1.5

Panel mounted:

Ø40.5
39.5
34.5

Ordering Information:

Spring Return Mushroom Head Push Button (contact block to be ordered separately)

Color	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
Red	UR0R	UR0P	Rail mounted:		1
Black	UB0R	UB0P	0.045	0.12	1
			Panel mounted: 0.060	0.26	

Push-Pull Mushroom Head Push Button (contact block to be ordered separately)

Color	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
Red emergency stop	UD0R	UD0P	Rail mounted: 0.045	0.12	1
			Panel mounted: 0.060	0.26	

Legend plates, guards and blanking plugs (see accessories page)

1 Pole Contact Blocks

Contacts	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
1 x NO	UCB5R	UCB5P	0.032	0.06	1
1 x NC	UCB9R	UCB9P			

Spare Parts

Rail to panel mounted conversion adaptor	UPMA		0.020	0.08	1

Compliances:

Hazardous Area	Gas	Dust
Certified Type	TCe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0081 ⟨Ex⟩ II 2 G	0081 ⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex e II	Ex tD A21
Symbol of Protection IEC		
Service Temperature	-40°C to +60°C	
CE Declaration of Conformity	5C242	
ATEX Certificate	LCIE 09 ATEX 3010U	
IECEx Certificate	IECEx LCI 09.0011U	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-7; 61241-0; 61241-1
Product Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

ATX Product Catalog

CONTROL STATIONS & SWITCHES

4

Ⓐ Appleton®

UC0R
(rail mounted)

UC0P
(panel mounted)

Contact Block

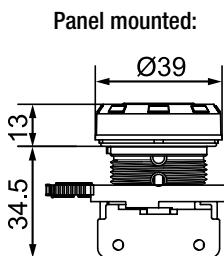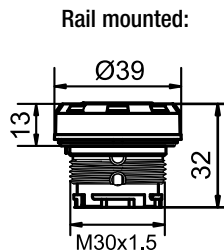## Features:
- Can be equipped with up to 2 contact blocks UCB series.
- ATEX and IEC certified.
- TS35 rail mounted.
- Panel mounted.

Standard Materials:
- Thermosetting plastic body.
- EPDM seal.

Dimensions (mm):

Rail mounted:

Ø39

32.5

M30x1.5

Panel mounted:

Ø39

32.5

34.5

Ordering Information:

Key Release Mushroom Head Push Button (contact block to be ordered separately)

Color	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
Red	UC0R (098302)	UC0P	Rail mounted: 0.085	0.09	1
			Panel mounted: 0.096	0.25	

Legend plates, guards and blanking plugs (see accessories page)

1-Pole Contact Blocks

Contacts	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
1 x NO	UCB5R	UCB5P	0.032	0.06	1
1 x NC	UCB9R	UCB9P			

Spare Parts

Spare key (type 4 A 185)	SK4A185	/	/		1
Rail to panel mounted conversion adaptor	UPMA	0.020	0.08		1

Compliances:

Hazardous Area	Gas	Dust
Certified Type	AUX	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0081 ⟨Ex⟩ II 2 G	0081 ⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex e II	Ex tD A21
Symbol of Protection IEC		
Service Temperature	-20°C to +70°C	
CE Declaration of Conformity	5C206	
ATEX Certificate	LCIE 00 ATEX 0002U	
IEC Certificate	LCIE Ex 00.012U	
Other Certifications	UL, GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	7 Joules	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-7; 61241-0; 61241-1
Product Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

UE0R
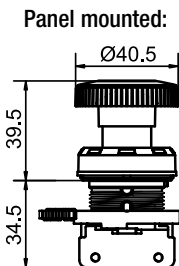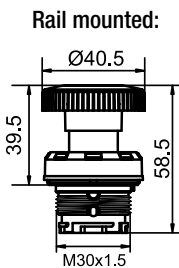(rail mounted)

UE0P
(panel mounted)

Contact Block

Features:
- Can be equipped with up to 2 contact blocks UCB series.
- ATEX and IEC certified.
- TS35 rail mounted.
- Panel mounted.

Standard Materials:
- Thermosetting plastic body.
- EPDM seal.

Dimensions (mm):

Rail mounted:

Ø39

22

M30x1.5

Panel mounted:

Ø39

22

34.5
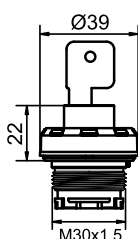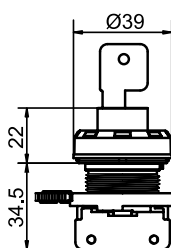
Ordering Information:

Key Impulse Push Button (contact block to be ordered separately)

Description	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
Key removable in both positions	**UE0R** (098320)	UE0P	Rail mounted: 0.080 0.08		1
Key removable in ON position	**UF0R** (098321)	UF0P	Panel mounted: 0.093 0.20		1
Key removable in Off position	**UG0R** (098322)	UG0P			1

Legend plates, guards and blanking plugs (see accessories page).

1-Pole Contact Blocks

Contacts	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
1 x NO	UCB5R	UCB5P	0.032	0.06	1
1 x NC	UCB9R	UCB9P			

Spare Parts

Spare key (type 4 A 185)	SK4A185	/	/		1
Rail to panel mounted conversion adaptor	UPMA	0.020	0.08		1

Compliances:

Hazardous Area	Gas	Dust
Certified Type	AUX	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0081 ⟨Ex⟩ II 2 G	0081 ⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex e II	Ex tD A21
Symbol of Protection IEC		
Service Temperature	-55°C to +70°C	
CE Declaration of Conformity	5C206	
ATEX Certificate	LCIE 00 ATEX 0002U	
IEC Certificate	LCIE Ex 00.012U	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	7 Joules	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-7; 61241-0; 61241-1
Product Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

CONTROL STATIONS & SWITCHES

⚠ Appleton®

Control Stations & Switches: Components for Increased Safety Enclosures

Unicode 2 Series: Rotary Actuator

UH0R
(rail mounted)

UH0P
(panel mounted)

UJ0R
(rail mounted)

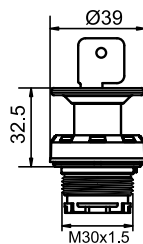**UJ0P**
(panel mounted)

Contact Block

Features:
- Can be equipped with up to 3 contact blocks UCB series.
- ATEX and IEC certified.
- TS35 rail mounted.
- Panel mounted.
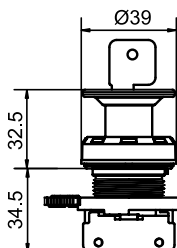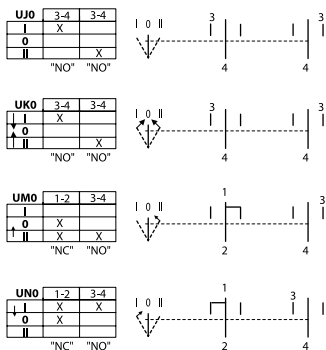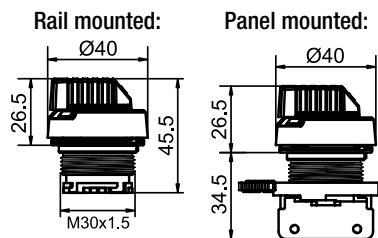
Standard Materials:
- Polyamide body.
- EPDM seal.

Wiring Diagram:

UJ0	3-4	3-4
I	X	
0		
II		X
	"NO"	"NO"

UK0	3-4	3-4
I	X	
0		
II		X
	"NO"	"NO"

UM0	1-2	3-4
I		X
0	X	
II	X	X
	"NC"	"NO"

UN0	1-2	3-4
I		X
0	X	X
II	X	
	"NC"	"NO"

Dimensions (mm):

Rail mounted:
Ø40
26.5 / 45.5
M30x1.5

Panel mounted:
Ø40
26.5 / 34.5

Ordering Information:

2-Position Rotary Actuator (contact block to be ordered separately)

2-Positions Selector Switch (O-I)	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
2 maintained positions	UH0R	UH0P	Rail mounted: 0.038	0.09	1
			Panel mounted: 0.051	0.22	

3-Position Rotary Actuator (contact block to be ordered separately)

3-Positions Selector Switch (I-O-II)	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
I and II position maintained (I-O-II)	UJ0R	UJ0P			1
I and II spring return to O (I->O<-II)	UK0R	UK0P	Rail mounted: 0.038	0.09	1
I maintained, II spring return to O (I-O<-II)	UM0R	UM0P	Panel mounted: 0.051	0.22	1
I spring return to O, II maintained (I->O-II)	UN0R	UN0P			1

Legend plates, guards and blanking plugs (see accessories page).

1 Pole Contact Blocks

Contacts	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
1 x NO	UCB5R	UCB5P	0.032	0.06	1
1 x NC	UCB9R	UCB9P			

Spare Parts

	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
Rail to panel mounted conversion adaptor		UPMA	0.020	0.08	1

Compliances:

Hazardous Area	Gas	Dust
Certified Type	TCe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0081⟨Ex⟩ II 2 G	0081⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex e II	Ex tD A21
Symbol of Protection IEC		
Service Temperature	-40°C to +60°C	
CE Declaration of Conformity	5C242	
ATEX Certificate	LCIE 09 ATEX 3010U	
IECEx Certificate	IECEx LCI 09.0011U	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-7; 61241-0; 61241-1
Product Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

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ULG0R
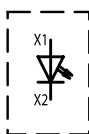(rail mounted)

ULG0P
(panel mounted)

Contact Block

UIL08

Features:
- Can be equipped with up to 2 contact blocks UCB series (not supplied).
- Contact block and indicating lamp combined below one actuator.
- ATEX and IECEx certified.
- TS35 rail mounted.
- High intensity single LED light.
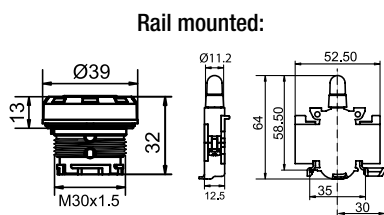- Long lifetime over 100,000 hours.
- Panel mounted.

Standard Materials:
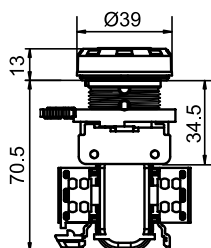- Polyamide body.
- Polycarbonate lens.
- EPDM seal.

Wiring Diagram:

X1
X2

Dimensions (mm):

Rail mounted:

Ø39
Ø11.2
52.50
13
32
64
58.50
M30x1.5
12.5
35
30

Panel mounted:

Ø39
13
34.5
70.5

Ordering Information:

Spring Return Illuminated Push Button (contact block to be ordered separately)

Device Color	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
Green	ULG0R	ULG0P			1
Red	ULR0R	ULR0P	Rail mounted:		1
White	ULW0R	ULW0P	0.062	0.26	1
Blue	ULB0R	ULB0P	Panel mounted:		1
Yellow	ULY0R	ULY0P	0.075	0.28	1

Legend plates, guards, blanking plugs (see accessories page).

1-Pole Contact Blocks

Contacts	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
1 x NO	UCB5R	UCB5P	0.032	0.06	1
1 x NC	UCB9R	UCB9P			

Spare Parts

Rail to panel mounted conversion adaptor		UPMA	0.020	0.08	1

Set of Five Spare Inserts

Marking	Color	REF	Weight (kg)	Volume (dm³)	Pack
(unmarked)	Green	UIL G	0.007	0.008	1
(unmarked)	Red	UIL R	0.007	0.008	1
(unmarked)	Yellow	UIL Y	0.007	0.008	1
(unmarked)	White	UIL W	0.007	0.008	1
(unmarked)	Blue	UIL B	0.007	0.008	1
ON	Green	UIL 01	0.007	0.008	1
OFF	Red	UIL 02	0.007	0.008	1
START	Green	UIL 03	0.007	0.008	1
STOP	Red	UIL 04	0.007	0.008	1
MARCHE	Green	UIL 05	0.007	0.008	1
ARRET	Red	UIL 06	0.007	0.008	1
I	Green	UIL 07	0.007	0.008	1
O	Red	UIL 08	0.007	0.008	1

Technical Data:

Rated Operating Voltage (Ue)	12 Vac to 254 Vac 50/60 Hz & 12 Vdc to 60 Vdc
Terminal Connection	2.5 mm²
Operational Life	100,000 hours

Compliances:

	Actuator and Lens		Contact Block and Pilot Light	
Hazardous Area	Gas	Dust	Gas	Dust
Certified Type	TCe		CVe	
Zones	1–2	21–22	1–2	21–22
Conforming to 94/9/CE ATEX	0081⟨Ex⟩ II 2 G	0081⟨Ex⟩ II2 D	0081⟨Ex⟩ II 2 G	0081⟨Ex⟩ II2 D
Symbol of Protection ATEX	Ex e II	Ex tD A21	Ex de IIC	Ex tD A21
Symbol of Protection IEC				
Ambient Temperature	-40°C to +60°C		-40°C to +75°C	
CE Declaration of Conformity	5C242		5C243	
ATEX Certificate	LCIE 09 ATEX 3010U		LCIE 09 ATEX 3001U	
IECEx Certificate	IECEx LCI 09.0011U		IECEx LCI 09.0002U	
Other Certifications	GOST		GOST	
Index of Protection (solid and liquid)	IP66		NA	NA
Impact Resistance (shock)	IK10		NA	NA

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 60079-7; 61241-0; 61241-1
Product Standards	EN / IEC 60947-1
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

CONTROL STATIONS & SWITCHES

® **Appleton**®
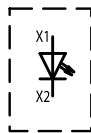
UPG0R
(rail mounted)

UPG0P
(panel mounted)

Features:
- ATEX and IECEx certified.
- TS35 rail mounted.
- Panel mounted.
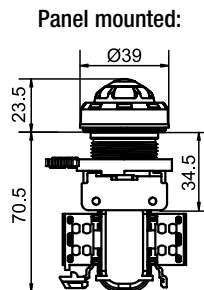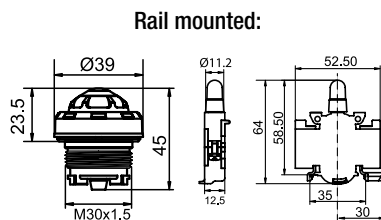- High intesity single LED light.
- Long life time over 100,000 hours.

Standard Materials:
- Polyamide body.
- Polycarbonate lens.
- EPDM seal.

Wiring Diagram:

Dimensions (mm):

Rail mounted:

Panel mounted:

Ordering Information:

Pilot Light
12 Vac to 254 Vac 50/60 Hz 12 Vdc to 60 Vdc

Device Color	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
Green	UPG0R	UPG0P	Rail mounted: 0.056 0.29		1
Red	UPR0R	UPR0P			1
White	UPW0R	UPW0P	Panel mounted: 0.069 0.31		1
Blue	UPB0R	UPB0P			1
Yellow	UPY0R	UPY0P			1

Legend plates and blanking plugs (see accessories page).

Spare Parts

Rail to panel mounted conversion adaptor	UPMA	0.020	0.08	1

Spare Lenses

Device Color	Catalog Number	Weight (kg)	Volume (dm³)	Pack
Green	UPGL	0.030	0.06	1
Red	UPRL	0.030	0.06	1
White	UPWL	0.030	0.06	1
Blue	UPBL	0.030	0.06	1
Yellow	UPYL	0.030	0.06	1

Technical Data:

Rated Operating Voltage (Ue)	12 Vac to 254 Vac 50/60 Hz & 12 Vdc to 60 Vdc
Terminal Connection	2 x 2.5 mm²
Operational Life	100,000 hours

Compliances:

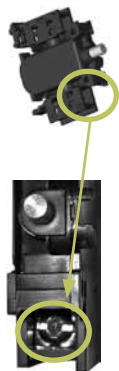|	Actuator and Lens		Contact Block and Pilot Light	
Hazardous Area	Gas	Dust	Gas	Dust
Certified Type	TCe		CVe	
Zones	1–2	21–22	1–2	21–22
Conforming to 94/9/CE ATEX	0081 ⟨Ex⟩ II 2 G	0081 ⟨Ex⟩ II2 D	0081 ⟨Ex⟩ II 2 G	0081 ⟨Ex⟩ II2 D
Symbol of Protection ATEX / Symbol of Protection IEC	Ex e II	Ex tD A21	Ex de IIC	Ex tD A21
Ambient Temperature	-40°C to +60°C		-40°C to +75°C	
CE Declaration of Conformity	5C242		5C243	
ATEX Certificate	LCIE 09 ATEX 3010U		LCIE 09 ATEX 3001U	
IECEx Certificate	IECEx LCI 09.0011U		IECEx LCI 09.0002U	
Other Certifications	GOST		GOST	
Index of Protection (solid and liquid)	IP66		NA	NA
Impact Resistance (shock)	IK10		NA	NA

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 60079-7; 61241-0; 61241-1
Product Standards	EN / IEC 60947-1
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

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Rail Mounted

Panel Mounted

UCB5R
(rail mounted)
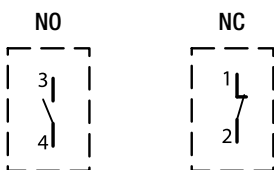
UCB5P
(panel mounted)

Front Access

Rear Access

Features:
- ATEX and IECEx certified.
- TS35 rail mounted.
- Panel mounted.
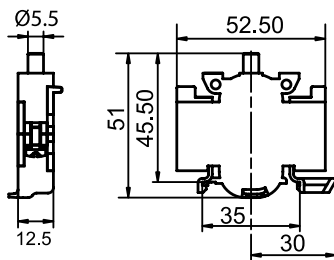- High performance contact block suitable for low intensity (less than 5mA).

Standard Materials:
- Polyamide body.
- Silver alloy contact.

Wiring Diagram:

NO   NC

3
4

1
2

Dimensions (mm):

Ø5.5

52.50

51

45.50

35

30

12.5

Ordering Information:

1-Pole Contact Blocks

Contacts	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Weight (kg)	Volume (dm³)	Pack
1 x NO	UCB5R	UCB5P	0.032	0.06	1
1 x NC	UCB9R	UCB9P			

Technical Data:

Rated Operating Voltage (Ue)	500 Vac – 110 Vdc
Switching capacity	
AC 12	16 A / 400 V
AC 14	10 A / 400V
AC 15	6 A / 500 V
DC 13	2 A / 24 V and 1 A / 110 V
Terminal connections	2 x 2.5 mm²
Operational life	100,000 operations

Compliances:

Hazardous Area	Gas	Dust
Certified Type	CVe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0081 ⟨Ex⟩ II 2 G	0081 ⟨Ex⟩ II 2 D
Symbol of Protection ATEX	Ex de IIC	Ex tD A21
Symbol of Protection IEC		
Service Temperature	-40°C to +75°C	
CE Declaration of Conformity	5C243	
ATEX Certificate	LCIE 09 ATEX 3001U	
IECEx Certificate	IECEx LCI 09.0002U	
Other Certifications	GOST	
Index of Protection (solid and liquid)	NA	
Impact Resistance (shock)	NA	

Standards:

Ex Standards	EN / IEC 60079-0; 60079-1; 60079-7; 61241-0; 61241-1
Product Standards	EN / IEC 60947-1; 60947-5
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

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US30R
(rail mounted)

US30P
(panel mounted)

Features:
- ATEX and IECEx certified.
- 1 to 4 pole switches.
- TS35 rail mounted.
- Panel mounted.

Standard Materials:
- Polyamide.
- Neoprene sealing material.

USH2R
(rail mounted)

USH2P / USH3P
USH4P
(panel mounted)

Features:
- Padlockable.
- Can be equipped with switch and changeover switch contact blocks.
- ATEX and IECEx certified.

Standard Materials:
- Polyamide.

Ordering Information:

Two Contact Switches (handle to be ordered separately)

Description	Wiring Diagram	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Pack
2-pole switch	002	US32R (098654)	US32P (098855)	1
2 ways 1-pole Selector switch	016	US30R (098652)	US30P (098853)	1
3 ways 1-pole Selector switch	027	US31R (098653)	US31P (098854)	1
3 ways 1-pole Selector switch with spring return from 135° to 90°	038	US33R	US33P	1
3 ways 1-pole Selector switch with spring return from 45° to 90°	048	US34R	US34P	1
Padlockable handle		USH2R (098658)	USH2P (098851)	1

Three or Four Contact Switches (handle to be ordered separately)

Description	Wiring Diagram	Rail Mounted Catalog Number	Panel Mounted Catalog Number	Pack
4-pole switch	102	US35R	US35P	1
3 ways 2-pole Selector switch	119	US36R	US36P	1
2 ways 2-pole Selector switch	106	US37R	US37P	1
3 ways 2 pole Selector switch with spring return from 45° to 90°	138	US38R	US38P	1
3 ways 2-pole Selector switch with spring return from 135° to 90°	197	US39R	US39P	1
Padlockable handle for rail mounted		USH2R		1
Padlockable handle for panel mounted For stainless steel enclosures ECES Series			USH3P	1
For polyester or aluminum enclosures ECEP & ECEA Series			USH4P	1

CONTROL STATIONS & SWITCHES

Appleton

US30R
(rail mounted)

US30P
(panel mounted)

Dimensions (mm):

Changeover Switch / Switch
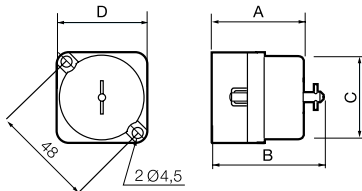
	A	B	C	D
2 Contacts	47.5	65	48	45
3 & 4 Contacts	60.5	73	48	45

USH2R
(rail mounted)

USH2P
(panel mounted)

Dimensions (mm):

USH2R

12 · 55 · 52

USH2P / USH3P / USH4P

33 (USH4P)
36 (USH3P)
38.5 (USH2P)
38 · 60
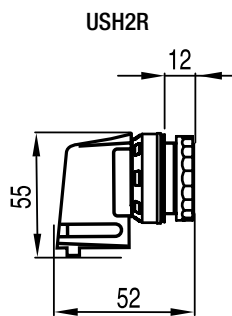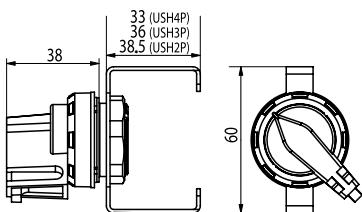
Technical Data:

Insulation Voltage (Ui)	750 V
Rated Operating Voltage (Ue)	AC 1: 690 V +/-5% – DC 1: 110 V
Rated Operating Current (Ie)	max. 16 A
Switching capacity	
AC 1	16 A / 690 V
AC 15	16 A / 415 V
AC 3	8A 500 V and 4 A / 690 V
DC 1	10 A /24 V; 6 A / 60 V
DC 1	6 A / 110 V (1) and 6 A / 220 V (2)
Terminal connections (flexible / solid)	1.5 to 2.5 mm^2 / 1.5 to 4 mm^2
Operational life	1,000,000 operations

(1) for 110 V 2 contacts connected in series.
(2) for 220 V 3 contacts connected in series.

Compliances: Switches

Hazardous Area	Gas	Dust
Certified Type	8008/2	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0102 Ex II 2 G	Authorized to be used in an approved dustproof enclosure
Symbol of Protection ATEX	Ex de IIC	
Symbol of Protection IEC		
Service Temperature	-55°C to +100°C	
CE Declaration of Conformity	5C243	
ATEX Certificate	PTB 00 ATEX 1111U	
IECEx Certificate	IECEx PTB 06.0010U	
Other Certifications	CSA, UL, FM	
Index of Protection (solid and liquid)	NA	
Impact Resistance (shock)	NA	

Compliances: Handles

Hazardous Area	Gas	Dust
Certified Type	AUXe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0081 Ex II 2 G	0081 Ex II 2 D
Symbol of Protection ATEX	Ex e II	Ex tD A21
Symbol of Protection IEC		
Service Temperature	-20°C to +75°C	
CE Declaration of Conformity	5C221	
ATEX Certificate	LCIE 03 ATEX 0012U	
IECEx Certificate	LCIE Ex 03.011U	
Other Certifications	GOST	
Index of Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Standards:

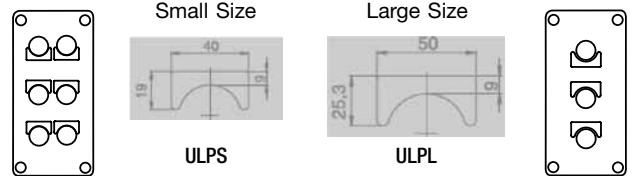| Ex Standards	EN / IEC 60079-0; 60079-1; 60079-7; 61241-0; 61241-1
Product Standards	EN / IEC 60947-1; 60947-4; 60947-5
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); 62262 (IK)

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Accessories:

Standard Legend Plates
Self-adhesive yellow laminated plastic (black lettering)

Text	Small	Large	Pack
Blank (set of 10)	ULPS	ULPL	1
ON	ULPSA 01	ULPLA 01	1
OFF	ULPSA 02	ULPLA 02	1
FORWARD	ULPSA 03	ULPLA 03	1
REVERSE	ULPSA 04	ULPLA 04	1
JOG	ULPSA 05	ULPLA 05	1
RUN	ULPSA 06	ULPLA 06	1
START	ULPSA 07	ULPLA 07	1
STOP	ULPSA 08	ULPLA 08	1
UP	ULPSA 09	ULPLA 09	1
DOWN	ULPSA 10	ULPLA 10	1
FAST	ULPSA 11	ULPLA 11	1
SLOW	ULPSA 12	ULPLA 12	1
RAISE	ULPSA 13	ULPLA 13	1
LOWER	ULPSA 14	ULPLA 14	1
OPEN	ULPSA 15	ULPLA 15	1
CLOSE	ULPSA 16	ULPLA 16	1
LOW	ULPSA 17	ULPLA 17	1
HIGH	ULPSA 18	ULPLA 18	1
TEST	ULPSA 19	ULPLA 19	1
RESET	ULPSA 20	ULPLA 20	1
EMERGENCY STOP	ULPSA 21	ULPLA 21	1
MARCHE	ULPSA 22	ULPLA 22	1
ARRET	ULPSA 23	ULPLA 23	1
ARRET D'URGENCE	ULPSA 24	ULPLA 24	1
HAUT	ULPSA 25	ULPLA 25	1
BAS	ULPSA 26	ULPLA 26	1

Two Sizes Available

Small Size   Large Size

ULPS   ULPL

Text	Small	Large	Pack
O - I	ULPSH 01	ULPLH 01	1
ON - OFF	ULPSH 02	ULPLH 02	1
START - STOP	ULPSH 03	ULPLH 03	1
STOP - START	ULPSH 04	ULPLH 04	1
HAND - AUTO	ULPSH 05	ULPLH 05	1
MANU - AUTO	ULPSH 06	ULPLH 06	1
FORWARD - REVERSE	ULPSH 07	ULPLH 07	1
REMOTE - LOCAL	ULPSH 08	ULPLH 08	1
MARCHE - ARRET	ULPSH 09	ULPLH 09	1

Text	Small	Large	Pack
I - O - II	ULPSJ 01	ULPLJ 01	1
OFF - O - ON	ULPSJ 02	ULPLJ 02	1
START - NORMAL - STOP	ULPSJ 03	ULPLJ 03	1
HAND - OFF - AUTO	ULPSJ 04	ULPLJ 04	1
MANU - O - AUTO	ULPSJ 05	ULPLJ 05	1
FORWARD - OFF - REVERSE	ULPSJ 06	ULPLJ 06	1
LOCAL - REMOTE - AUTO	ULPSJ 07	ULPLJ 07	1
LOCAL - O - REMOTE	ULPSJ 08	ULPLJ 08	1
MARCHE - NORMAL - ARRET	ULPSJ 09	ULPLJ 09	1

Description	Catalog Number
Yellow Guard Mushroom head protection for emergency stop	098657
Padlockable Guard Stainless steel body and plastic cover. Capacity: 3 padlocks dia. 6mm maximum (not supplied)	
For push button and rotary actuator	UPLD1S
For mushroom head actuator	UPLD2S
Cover Blanking Plug for cover drilling (dia. 30.5 mm)	UBP
Adaptor Rail to panel mounted conversion adaptor	UPMA

CONTROL STATIONS & SWITCHES

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