

SWD Series 16 and 32 Amp Switches

Flameproof

Zone 1 and 2 – 21 and 22
Gas (G) and Dust (D)

Applications

- Designed to prevent operation in explosive atmospheres during connect and disconnect operation of lighting and light power loads.
- For use in hazardous areas where ignitable vapors, gases or highly combustible dusts are present.
- For installation in chemical and petrochemical plants, refineries and other process industries.

Features

- Available up to 690 Volts, and up to 32 Amps
- Two threaded entries (one top and one bottom) M20 or M25.
- Switch mechanism fixed at the bottom of the box.
- Padlockable handle.
- Termination:
 - 16 Amp 4 mm² terminals
 - 32 Amp 6 mm² terminals
- Internal earth:
 - 2 x 4 mm² terminals
- External earth:
 - M5 for 16 Amps
 - M6 for 32 Amps

Standard Materials

- Gray painted marine grade aluminum alloy box.
- A2 stainless steel captive screws.

Certifications and Compliances

◆ATEX Certification

- **16 Amp Version. Certification Type: BR1d (16A)**
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
 - Type of Protection: Ex d IIC
 - Temperature class: T6 for Ta = +40 °C, T5 for Ta = +55 °C
 - Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓢ II2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T95 °C
 - Ambient Temperature: -40 °C to +55 °C
 - CE Declaration of Conformity: 50230
 - ATEX Certificate: LCIE 02 ATEX 6056
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10
- **32 Amp Version. Certification Type: CF1E (32A)**
 - Gas: Zone 1 and 2
 - Conforming to ATEX 94/9/CE: Ⓢ II 2 G
 - Type of Protection: Ex d IIC
 - Temperature class: T6 for Ta ≤ +40 °C, T5 for +40 °C < Ta ≤ +55 °C
 - Dust: Zone 21 and 22
 - Conforming to ATEX 94/9/CE: Ⓢ II2 D
 - Type of Protection: Ex tD A21
 - Surface Temperature: T95 °C
 - Ambient Temperature: -40 °C to +55 °C
 - CE Declaration of Conformity: 50257
 - ATEX Certificate: LCIE 03 ATEX 6044X
 - Index of Protection according EN/IEC 60529: IP66
 - Impact Resistance (shock): IK10



16 Amp Version



32 Amp Version

◆EURASEC Certification

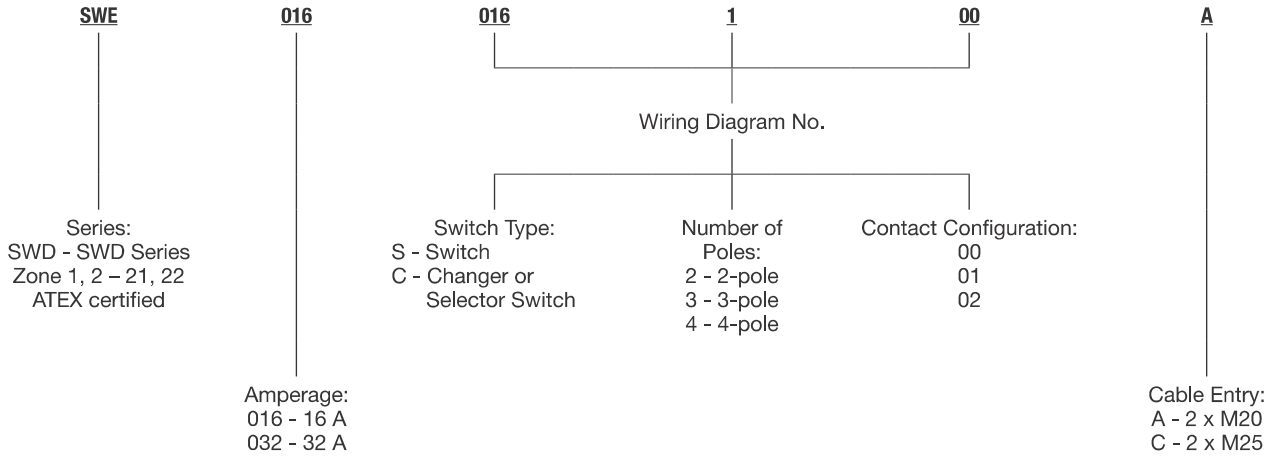
- **16 Amp Version. Certification Type: BR1d (16A)**
 - EURASEC RU C-FR. ГБ 05.В.00911
- **32 Amp Version. Certification Type: CF1E (32A)**
 - EURASEC RU C-FR. ГБ 05.В.00911

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Catalog Numbering Guide



Switch Type	Wiring Diagram No.	Entries	Weight kg	Volume dm ³	Catalog Number
16 Amp Switch					
1-pole changeover	C100	2 x M20	1.1	3.8	SWD016C100A
		2 x M25			SWD016C100C
2-pole switch	S200	2 x M20	1.1	3.8	SWD016S200A
		2 x M25			SWD016S200C
3-pole switch	S300	2 x M20	1.1	3.8	SWD016S300A
		2 x M25			SWD016S300C
4-pole switch	S400	2 x M20	1.1	3.8	SWD016S400A
		2 x M25			SWD016S400C
32 Amp Switch					
2-pole switch	S200	2 x M20	2.7	8.0	SWD032S200A
		2 x M25			SWD032S200C
3-pole switch	S300	2 x M20	2.7	8.0	SWD032S300A
		2 x M25			SWD032S300C
4-pole switch	S400	2 x M20	2.7	8.0	SWD032S400A
		2 x M25			SWD032S400C

Switching Arrangement – X Denotes "Closed Contact"

C100			C200			S300				S400				
Positions	Contacts		Positions	Contacts		Positions	Contacts			Positions	Contacts			
	1-2	3-4		1-2	3-4		1-2	3-4	5-6		1-2	3-4	5-6	7-8
0	X		0			0				0				
1		X	1	X	X	1	X	X	X	1	X	X	X	X

Shaded catalog numbers are normally stocked items. All other items are made to order.

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Main Contacts		16 Amps	32 Amps
Rated insulation voltage (Ui)		690 V	690 V
Rated Operating Current (Ie)		20 A	40 A
AC 21 A		16 A	32 A
AC 15		6 A	12 A
AC 23 A	3 x 230 V	4 KW	11 KW
	3 x 400 V	7.5 KW	11 KW
	3 x 500 V	5.5 KW	11 KW
	3 x 690 V	4 KW	11 KW
AC 3 A	3 x 230 V	3 KW	5.5 KW
	3 x 400 V	4 KW	11 KW
	3 x 500 V	5.5 KW	11 KW
	3 x 690 V	3 KW	11 KW
Flexible Termination		2.5 mm ²	6 mm ²
Solid Termination		4 mm ²	6 mm ²

Dimensions in Millimeters

