

Plugs & Sockets

MRE Series: 16 and 32 A Multiple Socket Outlets – Stationary and Portable – Increased Safety



Customized Version



Two Socket Outlet Version



Four Socket Outlet Version



Cable Reel

Compliance Data:

ATEX – IECEx (CSPe and CAe Type) – IEC (JBE Type):



Zone 1 & 2 – 21 & 22	ATEX	II 2 GD	IECEx / IEC	CE
Ex de IIC	T6 to T2	Ex tD A21	T68°C to T290°C	IP66 – IK09

Operating Temperature:

-40°C to +55°C

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Zone 1 & 2 – 21 & 22

II 2 GD

ATEX / IEC

IP66 – IK09

Applications:

- Plugs and sockets are used with portable or stationary electrical equipment such as lighting systems, conveyors, heaters, motor generators, air conditioning equipment, compressors and pumps.
- For use in corrosive atmospheres and installations in Zone 1 and 2 and 21 and 22 of the oil and gas industry; such as refineries, chemical, petrochemical plants, pipelines, loading docks, onshore and offshore drilling platforms.

Features:

- Plug and socket assembly is equipped with a patented silver plated linear switch which allows a total disconnection of power when plug is removed.
- The high voltage contact separation is in a flameproof chamber.
- The automatic electrical disconnection of each phase is contained in a second flameproof chamber.
- Short circuit protection is 20 kA, while normal reference is 10 kA.
- Different voltages are color coded for easy identification.

- The sockets are keyed to accept only ATX plugs (other plugs can not be inserted).
- ATX plugs can be used in non-hazardous sockets.

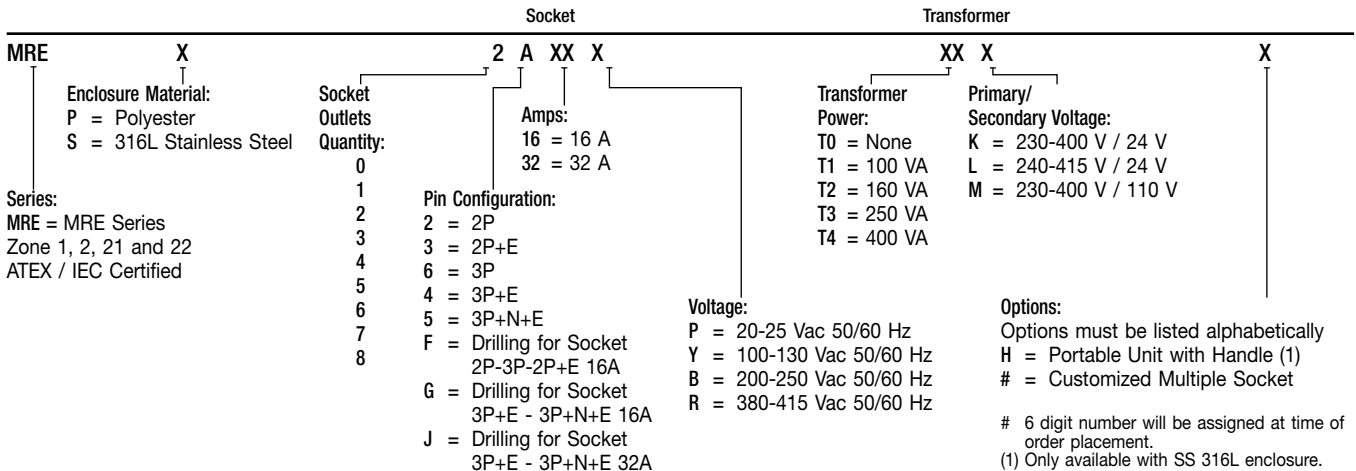
Standard Material of Fixtures:

- High impact resistance fiberglass reinforced polyester or 316L stainless steel housing.
- Polyamide flush sockets.

Options:

- Customized multiple socket outlets.

Catalog Number Logic:



Ordering Information:

Pre-drilled Multiple Sockets in Polyester for 2 Flush Sockets 16 A

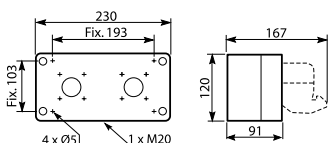
Ex de IIC T5 -40°C to + 60°C

Supplied with:

1 x Terminal block 2P+E 6 mm²

1 x M20 plastic cable gland for unarmored cable (sealing diameter 6.5 to 14.5 mm)

Layout 1	Description	Type	Weight (kg)	Volume (dm ³)	Catalog Number	Pack
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Pre-drilled enclosure for 2 flush sockets (not supplied)
PRE Series 2P or 2P+E – 16A

CSPe3 1.3 7 MREP2F 1
PCX/EN

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Zone 1 & 2 – 21 & 22

Ex II 2 GD

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Ordering Information – Continued:

Pre-drilled Multiple Sockets in Polyester for 4 Flush Sockets 16A

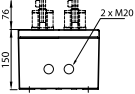
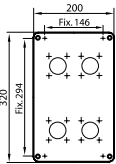



Ex de IIC T5 -40°C to + 55°C

Supplied with:

1 x Distribution block 4 poles 12 x 4 mm with cable clamps 2 x 10 mm² max.

1 x M20 plastic cable gland for unarmored cable (sealing diameter 6.5 to 14.5 mm).

1 x M20 plastic blanking plug.

Layout 2	Description	Type	Weight (kg)	Volume (dm ³)	Catalog Number	Pack
	Pre-drilled enclosure for 4 flush sockets (not supplied) PRE Series 2P or 2P+E – 16A	CAe2 PCX/EN	4	15	MREP4F	1
	Pre-drilled enclosure for 4 flush sockets (not supplied) PRE Series 3P+E or 3P+N+E – 16A	CAe2 PCX/EN	4	15	MREP4G	1
	Mounting adaptor to install 2P or 2P+E – 16A flush sockets with pre-drilled enclosure MREP4G	–	0.1	0.7	096496	1
	Blanking plate to install Unicode2 Series component diameter 30 mm (Push button, Pilot light or blanking plug) on 096496	–	0.1	0.7	097494	1
	Blanking plug diameter 30 mm	–	0.1	0.18	UBP	1

Combined Units in Polyester with 4 Flush Sockets 16A

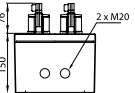
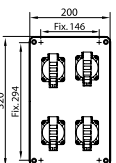
Ex de IIC T5 -40°C to + 55°C

Supplied with:

1 x Distribution block 4 poles 12 x 4 mm with cable clamps 2 x 10 mm² max.

1 x M20 plastic cable gland for unarmored cable (sealing diameter 6.5 to 14.5 mm).

1 x M20 plastic blanking plug.

Layout 3	Description	Type	Weight (kg)	Volume (dm ³)	Catalog Number	Pack
	4 flush sockets 2P+E 16 A 20/25 Vac	CAe2 PCX/EN	5	25	MREP4316P	1
	4 flush sockets 2P+E 16 A 200/250 Vac	CAe2 PCX/EN	5	25	MREP4316B	1

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Zone 1 & 2 – 21 & 22

II 2 GD

ATEX / IEC

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Ordering Information – Continued:

Combined Units in Polyester with 1 Flush Socket 16 A

Ex de IIC T3 -40°C to + 55°C

Supplied with:

- 1 x Transformer 230-400 V / 24 V 250 VA.
- 2 x Fuse carriers 14 x 51 for primary protection.
- 2 x Fuse carriers 14 x 51 for secondary protection.
- 1 x Flush socket 2P+E 16 A 24 Vac (PRE316FP).
- 1 x M20 plastic cable gland for unarmored cable (sealing diameter 6.5 to 14.5 mm).

Layout 4	Description	Type	Weight (kg)	Volume (dm ³)	Catalog Number	Pack
	1 flush socket 2P+E 16 A 20/25 Vac and transformer 230-400 V/24 V 250 VA	CAe2 PCX/EN	12	25	MREP1316PT3K	1

Combined Units in Polyester with 4 Flush Sockets 16 A

Ex de IIC T3 -40°C to + 55°C

Supplied with:

- 1 x Transformer 230-400 V / 24 V 400 VA.
- 2 x Fuse carriers 14 x 51 for primary protection.
- 2 x Fuse carriers 14 x 51 for secondary protection.
- 4 x Flush sockets 2P+E 16 A 24 Vac (PRE316FP).
- 1 x M20 plastic cable gland for unarmored cable (sealing diameter 6.5 to 14.5 mm).
- 1 x M20 plastic blanking plug.

Layout 5	Description	Type	Weight (kg)	Volume (dm ³)	Catalog Number	Pack
	4 flush sockets 2P+E 16 A 20/25 Vac and transformer 230-400 V/24 V 400 VA	CAe6 PCX/EN	15	36	MREP4316PT4K	1

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Zone 1 & 2 – 21 & 22

Ex II 2 GD

ATEX / IEC

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Ordering Information – Continued:

Portable Combined Units in 316L Stainless Steel with 4 Flush Sockets 16 A

Ex de IIC T3 -40°C to +55°C

Supplied with:

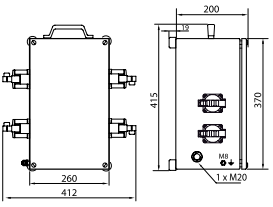
1 x Transformer.

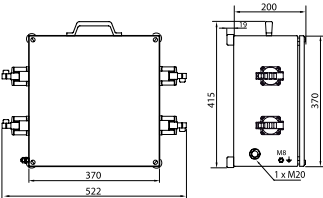
2 x Fuse carriers 14 x 51 for primary protection.

2 x Fuse carriers 14 x 51 for secondary protection.

4 x Flush sockets 2P+E 16 A 24 V (PRE316FP).

1 x M20 cable gland for unarmored cable (sealing diameter 6.5 to 14.5 mm).

Layout 6	Description	Type	Weight (kg)	Volume (dm ³)	Catalog Number	Pack
	250 VA Portable Unit: Ex de IIC T3 -40°C to +55°C 4 flush sockets 2P+E 16A 20/25 Vac and transformer 230-400 V / 24 V 250 VA	JBe47 PCX/EN	19	30	MRES4316PT3KH	1

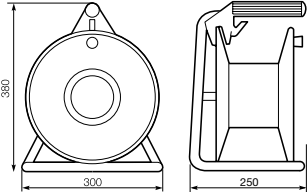
Layout 7	Description	Type	Weight (kg)	Volume (dm ³)	Catalog Number	Pack
	400 VA Portable Unit: Ex de IIC T2 -40°C to +55°C or Ex de IIC T3 -40°C to +40°C 4 flush sockets 2P+E 16 A 20/25 Vac and transformer 230-400 V/24 V 400 VA	JBe55 PCX/EN	23	42	MRES4316PT4KH	1

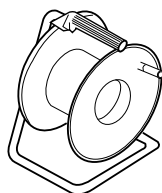
Cable Reel

Polyamide reel

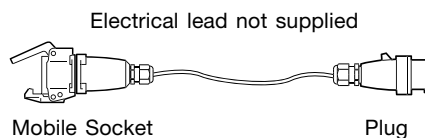
Reel capacity: 40 meters of 3 x 2.5 mm² flexible cable

Handle with drum brake

Layout 8	Description	Weight (kg)	Volume (dm ³)	Catalog Number	Pack
	Cable reel	2.5	32	097499	1



Cable Reel



Mobile Socket

Plug

Cable reel is used for carrying and storing of the electrical lead.
The electrical lead must be completely removed from the cable reel before use.

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⊕ II 2 GD

ATEX / IEC

IP66 – IK09

Compliances:

Flush Socket:

Hazardous Area	Gas	Dust
Certification Type	PCX/EN	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	0081 ⊕ II 2 G	0081 ⊕ II 2 D
Symbol of Protection ATEX	Ex de IIC	Ex td A21
Symbol of Protection IEC		
T Rating	T6 for Ta ≤ +40°C T5 for Ta ≤ +55°C	N.A.
Surface Temperature	N.A.	T68°C
Service Temperature	-40°C to +55°C	
CE Declaration of Conformity	5C214	
ATEX Certificate	LCIE 02 ATEX 0001U	
IECEX Certificate	IECEX LCI 07.0012U	
Other Certifications	GOST	
Ingress Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK09 (Polyamide)	

Housing:

Hazardous Area	Gas	Dust
Certification Type	CSPe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 ⊕ II 2 G	CE 0081 ⊕ II 2 D
Symbol of Protection ATEX	Ex e II	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	
Ingress Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Housing:

Hazardous Area	Gas	Dust
Certification Type	CAe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 ⊕ II 2 G	CE 0081 ⊕ II 2 D
Symbol of Protection ATEX	Ex e II	Ex td A21
Symbol of Protection IEC		
T Rating	T6 to T3	N.A.
Surface Temperature	N.A.	T80°C to T195°C
Ambient Temperature	-40°C to +55°C	
CE Declaration of Conformity	50235	
ATEX Certificate	LCIE 02 ATEX 6248X	
IECEX Certificate	IECEX LCI 04.0016X	
Other Certifications	GOST	
Ingress Protection (solid and liquid)	IP66	
Impact Resistance (shock)	IK10	

Housing:

Hazardous Area	Gas	Dust
Certification Type	JBe	
Zones	1–2	21–22
Conforming to ATEX 94/9/CE	CE 0081 ⊕ II 2 G	CE 0081 ⊕ II 2 D
Symbol of Protection ATEX	Ex e II	Ex td A21
Symbol of Protection IEC		
T Rating	T6 to T2	N.A.
Surface Temperature	N.A.	T80°C to T290°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	
Ingress 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 60309-1; 60309-2
EMC Standards	–
Other Standards	EN / IEC 60529 (IP); EN 62262 (IK)

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II 2 GD

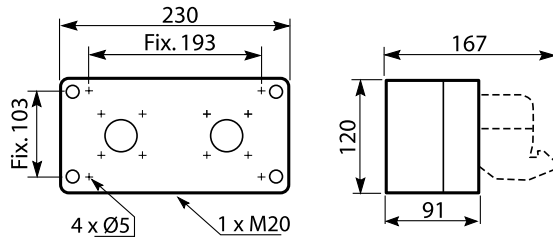
ATEX / IEC

IP66 – IK09

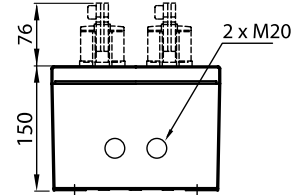
Dimensions (mm):

Polyester Enclosures:

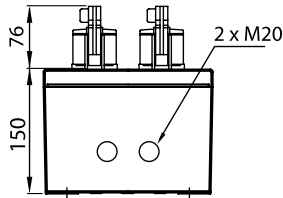
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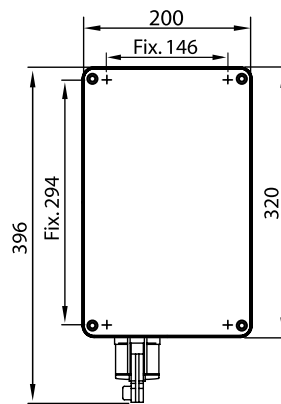
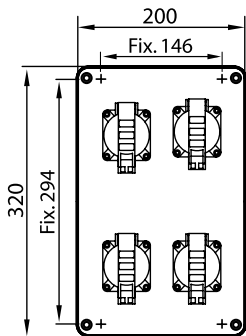
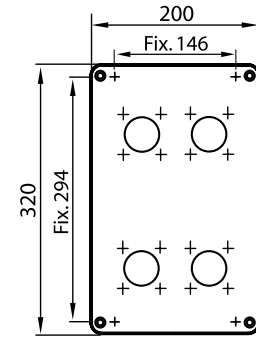
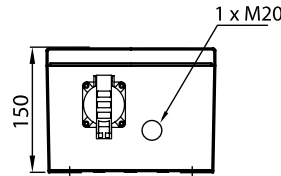
Layout 2:
(Flush Sockets Not Supplied)



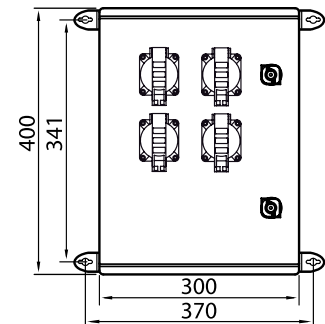
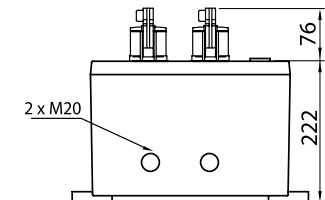
Layout 3:



Layout 4:



Layout 5:



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Zone 1 & 2 – 21 & 22

II 2 GD

ATEX / IEC

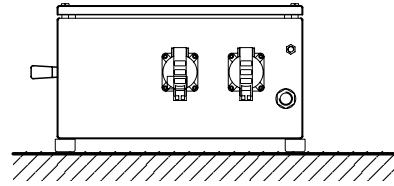
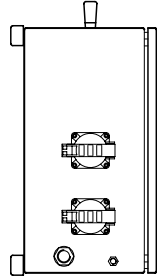
IP66 – IK09

Dimensions (mm) – Continued:

316L Stainless Steel Enclosures:

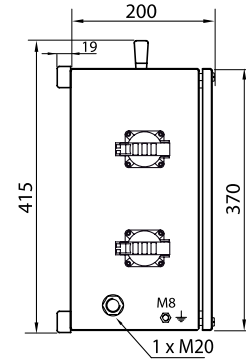
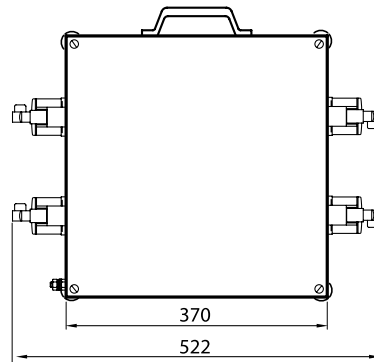
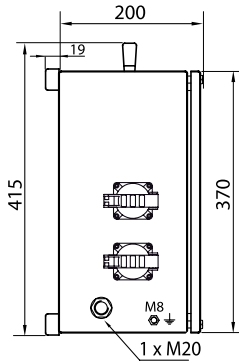
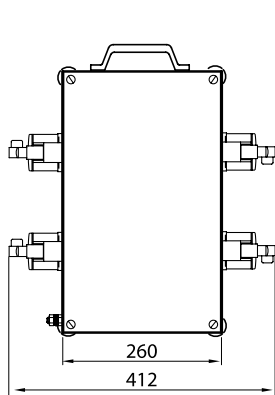
Position for Transportation:

Position for Use:



Layout 6:

Layout 7:



Dimensions (mm):

Cable Reel:

Layout 8:

