

MCCB Switch Disconnectors Ex9M6SD



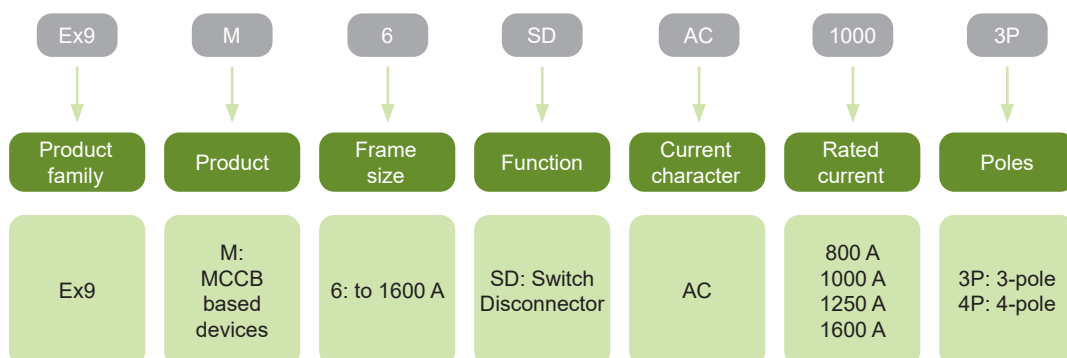
- Moulded Case Switch Disconnectors
- Tested according to IEC/EN 60947-3
- Frame sizes M6
- Rated current up to 1600 A
- 3 and 4-pole versions
- Rated voltage 415 / 690 V AC

AC versions of Moulded Case Switch Disconnectors Ex9M6SD are intended for applications mainly in power distribution as a main switch in a wide variety of circuits.

These devices have the same frame size than the electronic MCCB Ex9M6, which allows the possibility of using the full range of accessories available for such MCCB.

Testing the Ex9M6SD according to IEC / EN 60947-3 standards ensures reliability for a wide variety of applications including isolation.

Type Key

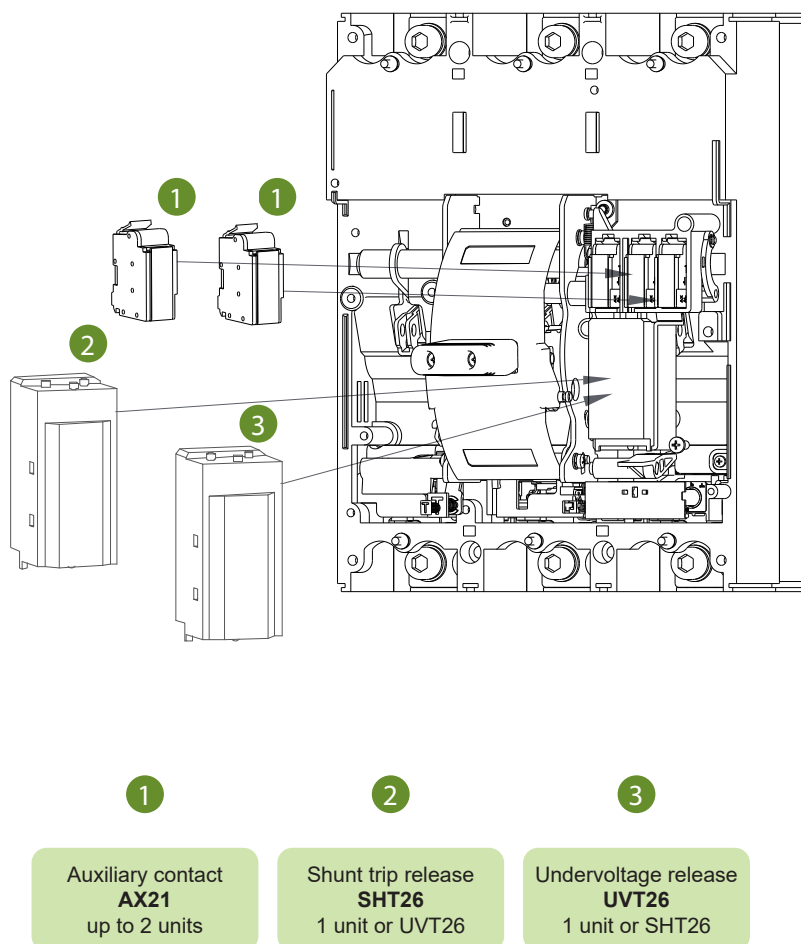


Certification marks



MCCB Switch Disconnectors Ex9M6SD

Internal accessories



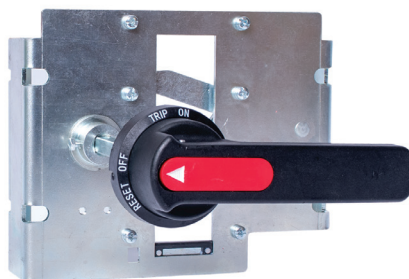
Auxiliary contact AX21

Shunt trip releases SHT26

Undervoltage releases UVT26

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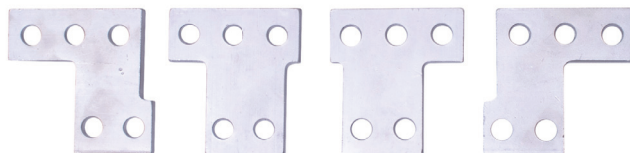
External accessories



Extended rotatory
handle
ERH26



Extended handle
LHD26



Front connection
plate
JP26

Extended rotary handles ERH26

Extended handles LHD26

Front connection plate JP26

MCCB Switch Disconnectors Ex9M6SD

Switch disconnector size M6 up to 1600 A

- 3 and 4-pole Moulded Case Switch disconnectors
- Mounting screws and phase barriers in the scope of delivery



Poles	Rated current	Article No.	Type	Packing
3	800 A	110478	Ex9M6SD AC800 3P	1/1
3	1000 A	110479	Ex9M6SD AC1000 3P	1/1
3	1250 A	110480	Ex9M6SD AC1250 3P	1/1
3	1600 A	110481	Ex9M6SD AC1600 3P	1/1
4	800 A	110482	Ex9M6SD AC800 4P	1/1
4	1000 A	110483	Ex9M6SD AC1000 4P	1/1
4	1250 A	110484	Ex9M6SD AC1250 4P	1/1
4	1600 A	110485	Ex9M6SD AC1600 4P	1/1

Technical Data Ex9M6SD

Moulded Case Switch Disconnectors up to 1600 A

General parameters

Suitable for household as well as industrial applications

Internal accessories

Auxiliary contact unit	AX21	101395
Shunt trip releases	SHT26	110460 — 110467
Undervoltage releases	UVT26	110468 — 110469

Max. number of installed internal accessories is 2 pcs of AX21 and 1 pc of a release (SHT26 or UVT26)

External accessories

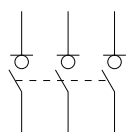
Extended handle	LHD26	110698
Extended rotary handle	ERH26	108846
Front connection plate	JP26	110694 — 110697

Mounting screws and phase barriers in the scope of delivery

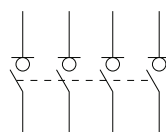
Electrical parameters

Tested according to	IEC/EN 60947-3
Rated op. voltage U_e	415 / 690 V AC
Rated insulation voltage U_i	1500 V
Rated impulse withstand voltage U_{imp}	12 kV
Rated frequency	50/60 Hz
Rated current	800 — 1600 A
Overvoltage category	III
Utilization category	AC-22A, AC-23A
Mechanical service life	6 000 operation cycles
Electrical service life	1 000 operation cycles
Maximum frequency of switch. cycles	60 operating cycles per hour
Total disconnection time at short circuit	< 10 ms
Internal resistance per pole at 1600 A	0.05 mΩ
Power loss per pole at 1600 A	128 W
Line voltage connection	line voltage on top, load on bottom

Wiring diagram



3P



4P

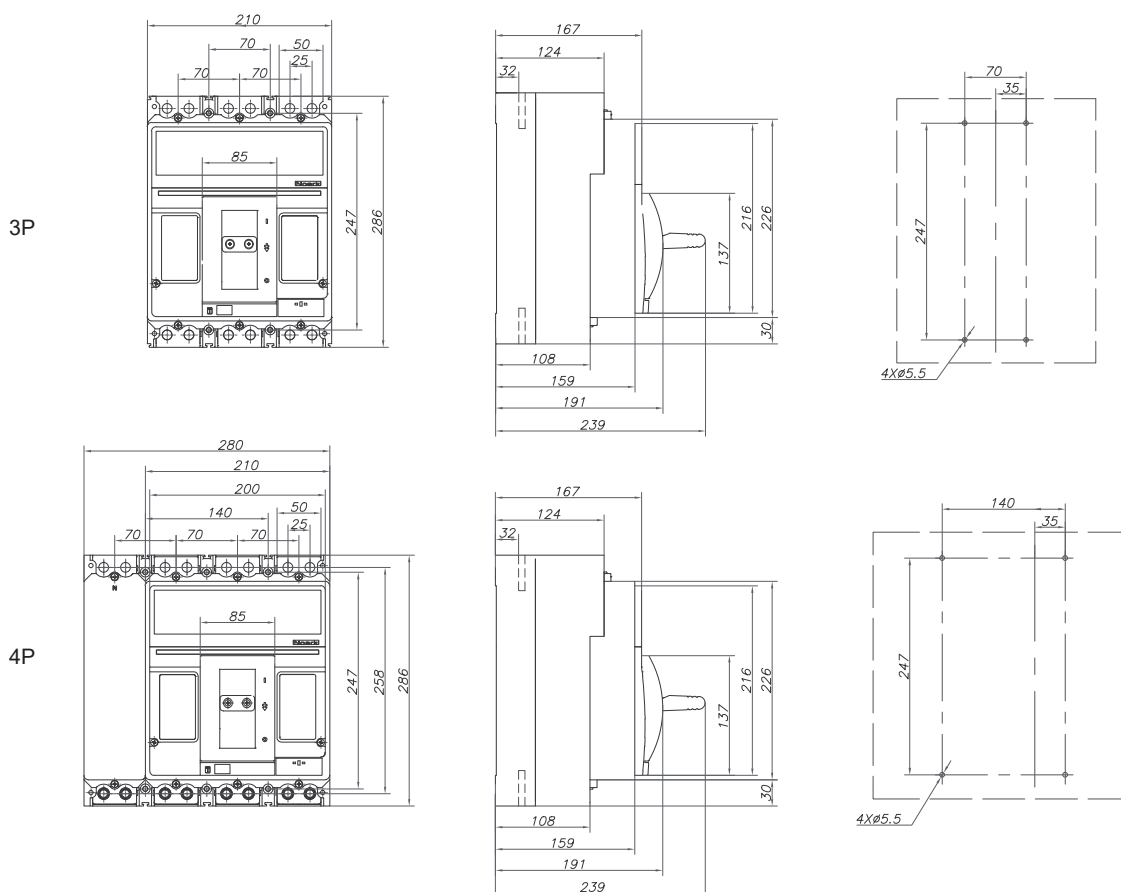
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Moulded Case Switch Disconnectors up to 1600 A

Mechanical parameters

Device width 3P / 4P	210 mm / 280 mm
Device height	286 mm
Device depth	191 (198) mm
Mounting	onto panel
Degree of protection	IP20
Terminals	M10 screws
Bushbar width	≤ 50 mm
Fastening torque of terminals	25 — 30 Nm
Operating temperature	-40 — +70 °C
Altitude	≤ 2 000 m
Relative humidity	≤ 50 % at 40 °C, ≤ 90 % monthly average
Pollution degree	3
Weight 3P / 4P	13.5 / 17.5 kg
Mounting position	vertical, can be rotated by 90° in each axis

Dimensions



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Installation space

