

Accessories for MCCBs Ex9MV2S



- Accessories for Ex9MV2S line devices
- Auxiliary contacts synchronous with main contacts
- Signal contacts active on electrical tripping of the circuit breaker (tripping signal contacts)
- Shunt trip releases
- Rotary handles

Accessories suitable for PV Moulded Case Circuit Breakers Ex9MV2S. It is possible to supplement or modify functions of a basic circuit breaker by the installation of suitable accessories.

Circuit breakers can be equipped with auxiliary contacts AX22V (or 2AX22V) and one unit of signal contact AL22 or a combination of both AX+AL22V. Accessories are mounted into specific positions, for this reason parts mounted on the right side are named with a -R in the product name (2AX22VR). One unit of shunt trip release SHT22VR can be installed in the breaker.

The circuit breakers can also be equipped with an extended rotatory handle for different operation of the toggle, e.g. for door coupling.

Mounting of the device onto plate can be done directly.

Accessories for MCCBs Ex9MV2S

Auxiliary and signal contact units

- Auxiliary contacts synchronous with main contacts of the circuit breaker
- Signal contacts active on electrical tripping of the circuit breaker (tripping signal contacts)



Function	Suitable MCCB	Contacts	Article No.	Type	Packing
Auxiliary	Ex9MV2S	1 CO	110199	AX22V	1/8
Auxiliary	Ex9MV2S	2 CO	110200	2AX22V	1/8
Signal	Ex9MV2S	1 CO	110201	AL22V	1/8
Auxiliary + Signal	Ex9MV2S	2 CO	110202	AX+AL22V	1/8
Auxiliary	Ex9MV2S	1 CO	110206	AX22VR	1/8
Auxiliary	Ex9MV2S	2 CO	110207	2AX22VR	1/8

Shunt trip releases

- It is possible to use one unit of shunt trip release SHT22VR on the right side of the MCCB



Aux. cont.	Suitable MCCB	Operating Voltage	Article No.	Type	Packing
-	Ex9MV2S	24V DC	110208	SHT22VR DC24V	1/8
-	Ex9MV2S	230V AC	110209	SHT22VR AC230V	1/8
-	Ex9MV2S	400V AC	110210	SHT22VR AC400V	1/8

Extended rotary handles

- Rotary handle with extension shaft (extension shaft can be shortened)
- Scope of delivery: mechanism block, extension shaft, rotary handle
- Indication of connected breaker status ON-OFF-TRIP
- Can be locked in ON and OFF position



Suitable MCCB	Length	Colour	Article No.	Type	Packing
Ex9MV2S	300 mm	Black	110211	ERH-1	1

Technical Data Ex9MV2S Accessories

Accessories for Moulded Case Circuit Breakers Ex9MV2S

Auxiliary and signal contact units AX22V, AL22V and combinations

General parameters

Contact units for auxiliary and signal contact functions are suitable for all MCCB frame sizes

Auxiliary contacts synchronous with main contacts of the circuit breaker

Signal contacts active on electrical tripping of the circuit breaker (tripping signal contacts)

With connection wires

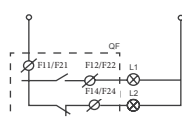
Electrical parameters

	AX22V	2AX22V	AL22V	AX+AL22V	AX22VR	2AX22VR
Contacts	1 change-over (CO)	2 change-over (CO)	1 change-over (CO)	2 change-over (CO)	1 change-over (CO)	2 change-over (CO)
Contact function	auxiliary left	auxiliary left	signal left	auxiliary + signal left	auxiliary right	auxiliary right
Maximum op. voltage U	AC400V/DC220V					
Rated frequency	50/60 Hz					
Rated op. current I _e AC	1.5A					
Rated op. current I _e DC	0.15A					
Rated thermal current I _{th}	3 A					
Rated op. current I _e , ut. cat. AC-15	5 A (240 V), 2 A (415 V)					
Rated op. current I _e , ut. cat. DC-13	1 A (110 V), 0.25 A (220 V)					
Rated insulation voltage U _i	400 V					

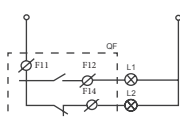
Mechanical parameters

	AX22V	2AX22V	AL22V	AX+AL22V	AX22VR	2AX22VR
Suitable for	Ex9MV2S					
Connection	Equipped with connection wires					

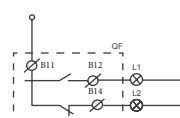
Wiring diagrams



2AX22V
2AX22VR



AX22V
AX22VR
AX+AL22V



AL22V
AX+AL22V

Technical Data Ex9MV2S Accessories

Accessories for Moulded Case Circuit Breakers Ex9MV2S

Shunt trip releases SHT22VR

General parameters

It is possible to use one unit of shunt trip release SHT22VR on the right side of the MCCB

Can be used for remote switch off

With connection wires

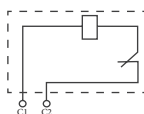
Electrical parameters

	SHT22VR
Rated operating voltage U_e (according to type)	24 V DC 230 V AC 400 V AC
Rated frequency	50/60 Hz
Rated insulation voltage U_i	400 V
Tripping time	≤ 500 ms

Mechanical parameters

	SHT22VR
Suitable for	Ex9MV2S
Connection	Equipped with connection wires

Wiring diagrams



SHT22VR

Technical Data Ex9MV2S Accessories

Accessories for Moulded Case Circuit Breakers Ex9MV2S

Extended rotary handles ERH-1

General parameters

Rotary handle with extension shaft

Scope of delivery: mechanism block, extension shaft, rotary handle

Can be locked in ON and OFF position with padlocks (not in the scope of delivery)

Extension shaft can be shortened

Electrical parameters

	ERH-1
Degree of protection	IP20

Mechanical parameters

	ERH-1
Suitable for	Ex9MV2S
Length of the extension shaft	300 mm (min 50 mm if shorted)
Indication	Connected breaker status ON-OFF-TRIP
Mounting	Directly onto breaker
Toggle colour	Black

Dimensions

