

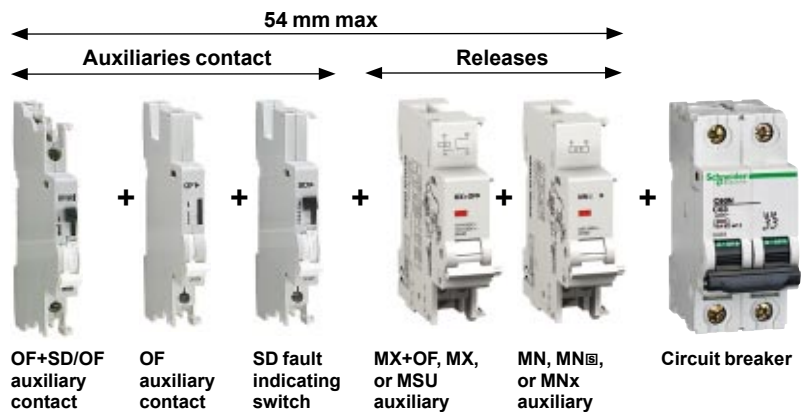
Function

They remotely trip or indicate circuit breakers, with or without Viggi module.

Description

- They are mounted to the left of the circuit breaker within a maximum width of 54 mm.
- Fixed using clips (no tools) onto the left side of the circuit-breaker.

Auxiliary combination



- A maximum of 3 indication auxiliaries OF, SD on the same circuit breaker.
- A maximum of 2 changeover auxiliaries (OF+SD/OF) on the same circuit breaker.
- A maximum of 1 OF+SD/OF switchover auxiliary and 1 indication auxiliary OF or SD on the same circuit-breaker.
- A maximum of 2 tripping auxiliaries (MX+OF, MX, MN, MN, MNx) on the same circuit breaker.
- A maximum of 3 tripping auxiliaries MSU on the same circuit breaker without other auxiliary.

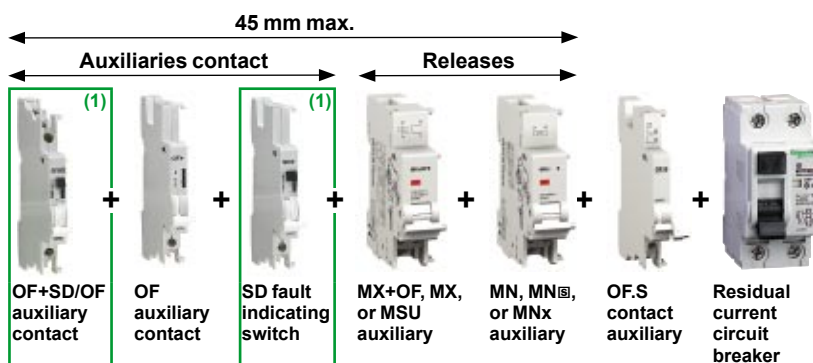
Function

They remotely indicate or trip residual current circuit breakers.

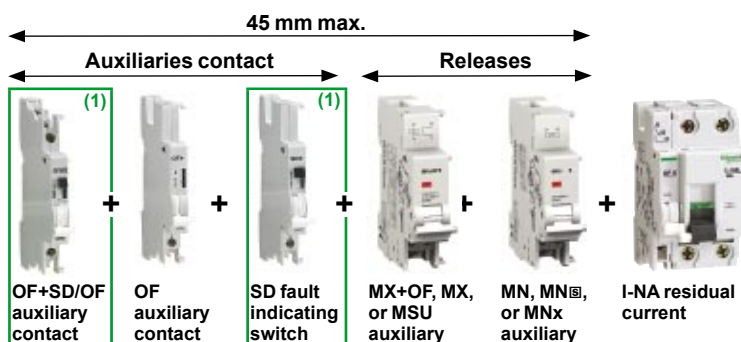
Description

■ They are mounted to the left of the residual current circuit breaker using the OF.S auxiliary within a max. width of 45 mm.

ID auxiliary combination



I-NA auxiliary combination



- A maximum of 2 indication auxiliaries on the same residual current circuit breaker.
- A maximum of 1 switchover auxiliary (OF+SD/OF) on the same residual current circuit breaker without other auxiliary OF, SD.
- A maximum of 2 tripping auxiliaries MX+OF, MX, MN, MN[Ⓢ], MNx or MSU on the same residual current circuit breaker.

(1) Be careful: SD and OF+SD/OF auxiliary contacts must be only mounted to the left of a tripping auxiliary (MN, MX, MSU,...).



PB100198_SE-39

MX + OF



PB100199_SE-39

MX



PB100202_SE-39

MN



PB100203_SE-39

MN sélectif 



PB100205_SE-39

MNx



PB100206_SE-39

MSU

Tripping

Tripping indication on front panel by means of a red indicator.

- auxiliaries conforme standard IEC 60947-1.

MX + OF shunt trip release

Controls tripping of the device with which it is combined when energised.

He is fitted out with a changeover contact (O + C) to indicate the circuit-breaker's position.

It is fitted with a self-interrupting contact allowing the control circuit to remain on (latching emergency stop).

MX shunt release

Controls tripping of the device with which it is combined at power-up.

It is fitted with a self-interrupting contact allowing the control circuit to remain on (latching emergency stop).

MN release

Controls tripping of the device with which it is combined when its supply voltage drops (threshold between 70 and 35 % of the U_n).

It allows the device to be manually closed if the voltage exceeds 85 % of the nominal voltage.

■ Use:

- emergency stop pushbutton
- safety on supply circuits of several machines by preventing the "non-controlled" restart of all the motors.

MN selective release

Undervoltage release that controls the opening of the device with which it is combined.

0.3 s time-delay on voltage dip: avoids tripping on brownouts or momentary voltage drops.

MNx release for pushbutton with opening

Completely insensitive to supply circuit interruptions.

It is recommended to connect it upstream of the circuit-breaker it protects in the event of fail-safe emergency stops.

Replaces the "voluntary" MX release fitted out with O/F indicators.

MSU voltage threshold release

Especially designed to monitor the voltage between the neutral and phase(s) conductors.

It cuts off the supply by opening the protected device when a threshold level for overvoltages lasting more than a few tenths of a second is exceeded.

Connection

- Using screw clamp terminals:
 - for 1 or 2 cables of a max. of 2.5 mm²
 - 1.5 mm² with end.
- Visible markers near the terminals.



OF



SD



OF + SD/OF



OF.S

Remote indication

- All auxiliary contacts conform to standard IEC 60947-5-1.
- The auxiliary contacts OF, SD, OF + SD/OF are also conform with standard EN 62019 for C60, C120 and *i*DPN (DPN).

OF open/closed contact

- Changeover contact that indicates the “open” or “closed” position of the device.
- Test button on front panel enables verification of the indication circuit, without having to operate the device.

SD fault indicating switch

- Changover contact that indicates the “tripped” position of the device.
- Fault indication (SD) on front panel by means of a mechanical indicator.
- Always mount to the left of one or more tripping auxiliaries.

OF + SD/OF changeover contact

- Double changeover contact indicates:
 - the “open” or “closed” position of the circuit-breaker (OF)
 - the “tripped” position of the device (SD).
- 2 circuits:
 - upper: OF
 - lower: SD or OF.
- Function choice using the rotary changeover switch on the right side.
- Selected function is indicated on the front panel.
- Fault indication (SD) on front panel by means of a mechanical red indicator.
- Always mount to the left of one or more tripping auxiliaries.

OF.S contact for ID

- Use of the OF.S auxiliary contact is mandatory when adding tripping and indication functions on a residual current circuit-breaker.
- This contact is mounted to the left and indicates the “open” or “closed” position of the residual current circuit-breaker.

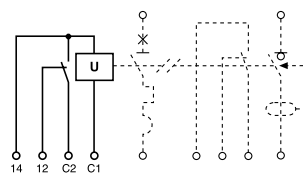
Connection

- Using screw clamp terminals:
 - for 1 or 2 cables of a max. of 2.5 mm²
 - 1.5 mm² with end.
- Visible markers near the terminals.

Catalogue numbers

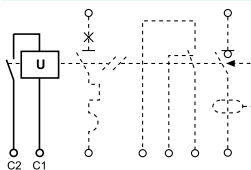
MX + OF shunt trip release

Control voltage (V AC)	Control voltage (V DC)	Width in mod. of 9 mm	Cat. no.
100...415	100...130	2	26946
48	48	2	26947
12/24	12/24	2	26948



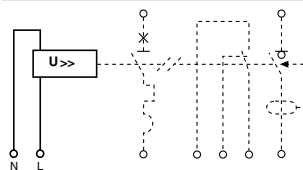
MX shunt release

100...415	100...130	2	26476
48	48	2	26477
12/24	12/24	2	26478




MSU voltage threshold release

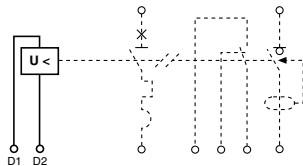
Tripping Voltage (V AC)	Width in mod. of 9 mm	Cat. no.
275	2	26979
255	2	26479



MN undervoltage release

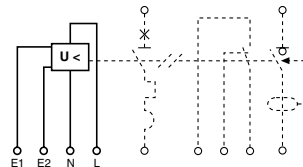
Control voltage (V AC)	Control voltage (V DC)	Width in mod. of 9 mm	Cat. no.
220...240		2	26963
220...240		2	26960
48	48	2	26961
115 (400 Hz)		2	26959

Sélective 
Instantaneous

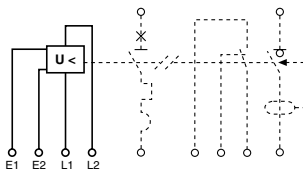


MNx release for BP with opening

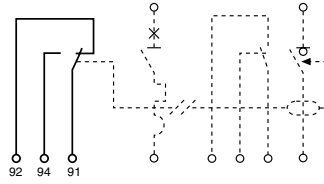
Ph + N	230	2	26969
	230 (C60)	2	26977



Ph Ph	400	2	26971
	400 (C60)	2	26991



SD fault indicating switch



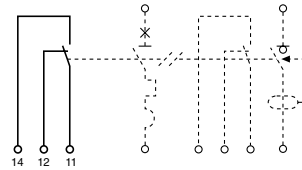
Width in
mod. of 9 mm

Cat. no.

1

26927

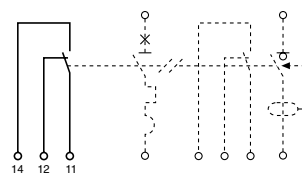
OF contact auxiliary



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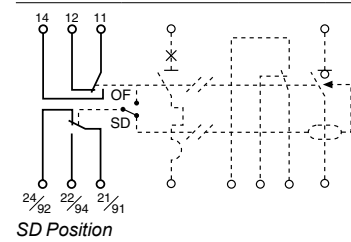
OF + SD/OF changeover contact



OF Position

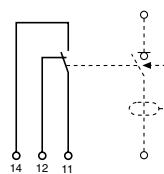
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SD Position

OF.S (ID) changeover contact



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26923

Additional information

Dimensions: page 90148
Practical advice: page 92403- 92605
MSU : page 92519