

Adaptable electrical auxiliaries for C60, C120, DPN, ID, I-NA Multi 9 Merlin Gerin



OF



SD



OF + SD/OF



MN



MNx



MX + OF



MNx



MSU

Combined with Merlin Gerin brand C60, C120 and DPN circuit-breakers, ID residual current circuit-breakers and I-NA switches.

They allow remote tripping or indication.

Auxiliary contact: "OF" or "OF.S"

Indicates "open" or "closed" position of (OF) circuit-breaker or (OF.S) switch with which it is combined.

Fault indicating switch: "SD"

Indicates the "tripped by fault" position of the device with which it is combined.

Fault or earth fault signal (ID) is visible on front face through mechanical indicator.

Changeover contact: "OF + SD/OF"

■ Upper circuit: OF, lower circuit: OF or SD.

■ OF: remotely indicates the "open" or "closed" position of the device with which it is combined.

■ SD: remotely indicates the "tripped" by fault position of the device with which it is combined.

■ Function choice using changeover switch on right side.

■ Selected function is indicated on front face.

Undervoltage selective release: "MN

Undervoltage release which controls the opening of the device with which it is combined. It ensures a time delay of 0.2 seconds for brownout or voltage drop.

Undervoltage instant release: "MN"

When the supply voltage falls (by between 70 and 35%), it controls the tripping and the opening of the device with which it is combined and prevents it from reclosing until the supply voltage is restored.

■ Operation:

□ emergency stop by pushbutton,

□ safety of supply circuits for several machines by preventing the "non-controlled" restarting of motors.

Shunt release: "MX + OF"

Once live, controls the tripping and opening of the device with which it is combined. Equipped with an O + C contact to indicate the device's "open" or "closed" position.

Release for pushbutton: "MNx"

Completely insensitive to supply breaks, it is recommended for fail-safe emergency stops. Replaces the "voluntary" MX switch equipped with O/F indicator lights.

Release with voltage threshold: "MSU"

Specially designed to monitor the voltage between the neutral and phase conductors. Supply is broken by opening the device in the case of a voltage increase (in the case of the neutral being broken).

The range

Auxiliaries



OF+SD/
OF



OF



SD



MX + OF
or MSU



MN, MN
or MNx



MN, MN
or MNx



MN, MN
or MNx



MN, MN
or MNx



MN, MN
or MNx



MN, MN
or MNx



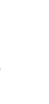
MN, MN
or MNx



MN, MN
or MNx



MN, MN
or MNx



MN, MN
or MNx



DPN

or



DPN Vigî

or



C60

+



C120

or



ID



I-NA

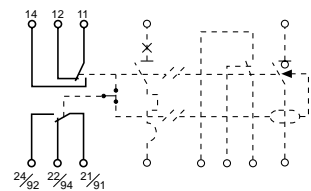
Merlin Gerin

Modicon

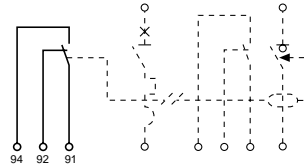
Square D

Telemecanique

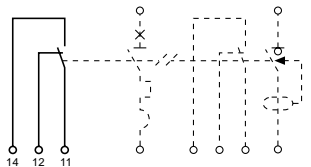
Skeleton diagrams



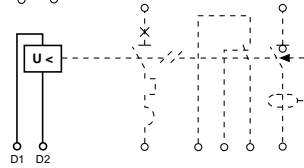
OF + SD/OF



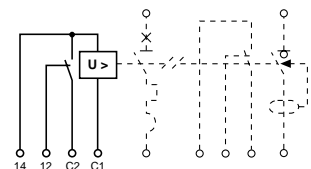
SD



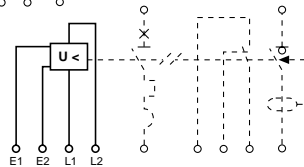
OF-OF.S



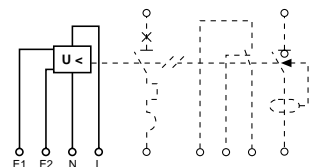
MN - MN



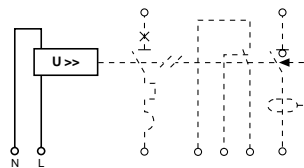
MX + OF



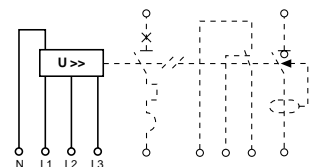
MNx



MNx



1P + N
MSU



3P + N
MSU

Implementation

- Designed to be installed in modular electrical enclosures and switchboards.
 - Easy to connect and reliable thanks to serrated tunnel terminals with guard.
 - Captive screws with \pm imprint.
 - Easily combined with C60, C120 and DPN circuit-breakers and ID residual current circuit-breakers by snapping on.
- The electrical auxiliaries allow remote tripping or indication of circuit-breakers with or without Vigì module. They are mounted on the left side of the circuit-breaker (max. width 54 mm).
- It is mandatory to use the OF.S auxiliary contact for adding the MN, MX, SD, OF, MNx and MSU functions to the ID residual current circuit-breaker or I-NA switch.

Operating simulation

- A test button on the front face of the auxiliary contacts (**26924** and **26927**) allows the simulation of the OF and SD functions without switching the circuit-breaker, the residual current circuit-breaker or the I-NA switch.

Technical data

type	voltage (V)	width in mod. (9 mm)	cat. no.
auxiliary contacts			
OF		1	26924
OF.S		1	26923
fault indicating switch			
SD		1	26927
changeover contact			
OF + SD/OF		1	26929
minimum voltage release			
MN	220 to 240 V AC	2	26960
	48 V AC	2	26961
	48 V DC	2	26962
MN	220 to 240 V AC	4	26963
with 0.2 sec. time delay			
release for PB pushbutton with opening			
MNx	230 V AC	4	26969
	400 V AC	4	26971
shunt release			
MX + OF	220 to 415 V AC	2	26946
	110 to 130 V DC		
	48 to 130 V AC	2	26947
	48 V DC		
	24 V AC - DC	2	26948
	12 V AC - DC	2	26949
voltage increase release			
MSU	230 V AC	4	26979
	400 V AC	4	26980

Release consumption

type	voltage (V)	(W or VA)
MX	415 V AC	120
	220 to 240 V AC	50
	110 to 130 V AC	200
	110 to 130 V DC	10
	48 V CA - DC	22
	24 V CA - DC	120
	12 V CA - DC	120
MN	220 to 240 V AC	4,1
	48 V AC	4,3
	48 V DC	2,0
MN	220 to 240 V AC	4,1
MNx	230 V AC	50
	400 V AC	120
MSU	230 V AC 1P + N	50
	400 V AC 3P + N	120

Contact auxiliary breaking capacity

voltage (V)	(A)
415 V AC	3
≤ 240 V AC	6
130 V DC	1
≤ 24 V DC	6

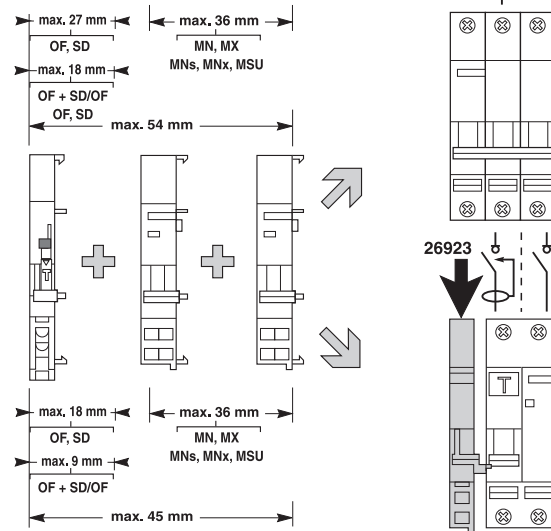
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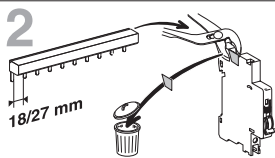
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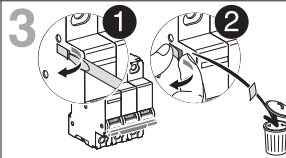
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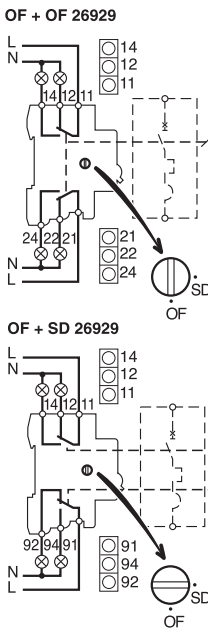
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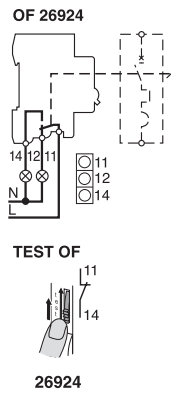
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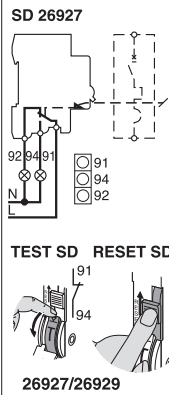
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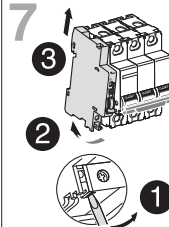
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