



SMISLINE

Efficient installation with the new 4-pole residual current operated circuit breaker (RCBO)

Simple installation for consumer groups

4-pole RCBO from the ABB SMISLINE protective devices range

The combination of circuit protection and a residual current protection in one device as 4-pole RCBO simplifies both – planning and installation. It enables you to provide perfect protection in one device. This protection consists of:

- Short circuit protection
- Overload protection
- Residual current protection
- Preventive fire protection

High rated short-circuit breaking capacity of 10 kA, conforming to EN 61009-1

The I_{cn} 10kA short-circuit breaking capacity of the RCBO complies with standard EN 61009-1.

This standard specifies testing and usage of RCBO's for household and similar uses. The devices can also be used by non-professionals.

Features and benefits of the new devices:

- Overall width of 72 mm (4 modules)
- Rated sensitivity 30 mA
- Current rating 10 A to 25 A
- B and C tripping characteristics
- Easy Drive double deck terminals on the output side for connecting two conductors in one chamber. The two chambers can accommodate conductors with different cross sections.



Ordering details/Technical Data



2CCC451500F0002

Ordering details to SMISLINE RCBO 4pole FS403

B,C

$I_{\Delta n}$ [mA]	I_n [A]	I_{cn} [kA]	Type	ABB IT number	EAN number	Pack.	Module	Gross weight in grams
						761227140	unit	
30	10	10	FS403M-B10/0.03	2CCL564110E0105	7612	1	4	545
30	13	10	FS403M-B13/0.03	2CCL564110E0135	7629	1	4	545
30	16	10	FS403M-B16/0.03	2CCL564110E0165	7636	1	4	545
30	20	6	FS403E-B20/0.03	2CCL564111E0205	9357	1	4	545
30	25	6	FS403E-B25/0.03	2CCL564111E0255	8763	1	4	545
30	10	10	FS403M-C10/0.03	2CCL564110E0104	7674	1	4	545
30	13	10	FS403M-C13/0.03	2CCL564110E0134	7681	1	4	545
30	16	10	FS403M-C16/0.03	2CCL564110E0164	7698	1	4	545
30	20	6	FS403E-C20/0.03	2CCL564111E0203	9609	1	4	545
30	25	6	FS403E-C25/0.03	2CCL564111E0254	8770	1	4	545

Technical Data

Rated voltage U_n	230/400 V
Number of poles	4
Rated frequency f_n	50/60 Hz
Rated breaking capacity I_{cn}	10 kA (10 A to 16 A) 6 kA (20 A to 25 A)
Current limitation class	3
Total cut-off time acc. to EN 61009	
at I_n	40 ms
at $5 \times I_n$	25 ms
Connection cross-section	max. 25 mm ² flexible wire with wire end sleeve
Terminal at load side	Possible to connect 2 wires in one chamber. Both chambers could be used with two different cross-sections.
Tightening torque	2.8 Nm
Degree of protection	IP20
Endurance	>5000
Resistance to climate	EN 61009
Ambient temperature	-25° C ... +40° C
Mounting position	any
Vibration resistance	EN 61009
Plastic parts	halogen-free
Contacts	cadmium-free
Standard	EN61009-1, S+ (in preparation)

Please notice:

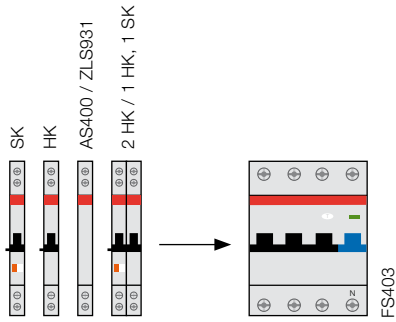
For the influence of the ambient temperature and the thermal influences of row mounted RCBO's it is necessary to calculate with the same correction factors like with MCB's. Please see technical catalogue page 3/21.

Accessory:

Auxiliary- and signal contacts are to attach on to the left of the device through the customer.

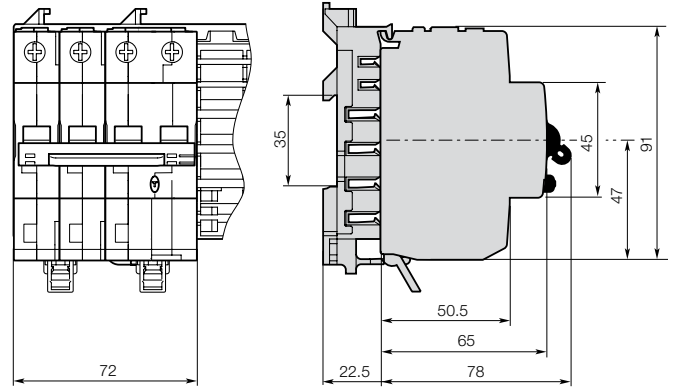
Accessory/Dimensions (in mm)

Accessory



Dimensions

SMISSLINE



2CC0451094Z0001

2CC0451097L0201

Contact

ABB Switzerland Ltd
CMC Low Voltage Products
Amsler-Laffonstr. 3
Postfach
Fulachstr. 150
Fax: +41 (0)58 586 42 22
Phone: +41 (0)58 586 41 11
CH-8200 Schaffhausen
e-mail:cmc@ch.abb.com

www.abb.com