

# S800 Accessories

1



2CCS413069F0001



Auxiliary contact	Order details Type Code	Order code	GTIN EAN 761227	Weight [kg]	Pack. unit
Auxiliary contact	S800-AUX	2CCS800900R0011	1206802	0.05	1



2CCS413070F0001



Combined auxiliary and signal contact	Order details Type Code	Order code	GTIN EAN 761227	Weight [kg]	Pack. unit
Auxiliary/signal contact	S800-AUX/ALT	2CCS800900R0021	1206819	0.05	1



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Disconnectable neutral conductor 63 A	Order details Type Code	Order code	GTIN EAN 761227	Weight [kg]	Pack. unit
Disconnectable neutral conductor 63 A	S800-NT	2CCS800900R0061	1208196	0.12	1



2CCS413358F0001

Remote Switching Unit *	Order details Type Code	Order code	GTIN EAN 761227	Weight [kg]	Pack. unit
Remote Switching Unit S800-RSU-H	S800-RSU-H	2CCS800900R0501	1411244	0.3	1
Remote Switching Unit S800W-RSU	S800W-RSU	2CCS800900R0511	1411169	0.3	1

\* High performance circuit breaker is not included in delivery



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S800-RSU cable incl. plug	Order details Type Code	Order code	GTIN EAN 761227	Weight [kg]	Pack. unit
3 meters cable 0,5 mm <sup>2</sup> (AWG20) incl. 10-pole Micro Fit 3.0 plug	S800-RSU-CP	2CCS800900R0541	1412869	0.35	1

10-pole Micro Fit 3.0 plug	Order details Type Code	Order code	GTIN EAN 761227	Weight [kg]	Pack. unit
10-pole Micro Fit 3.0 plug	S800-RSU-P	2CCS800900R0551	1412845	0.00	1



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## S800-AUX

### Auxiliary contact for external display

The S800-AUX auxiliary contact is for electrical display of the operating state of the high performance MCB. Both changeover contacts always switch simultaneously with the live conductor contact and detect the following operating states:

- Manual tripping
- Tripping due to thermal overload
- Tripping due to magnetic overload (short-circuit)

### Mode of function of the test button

The test button is operated by a tool and allows the user to simulate the mode of function of the auxiliary contact when switched on without tripping the high performance MCB itself.

### Mode of function of the two changeover contacts

- Off position of the high performance MCB      contacts 11–12 and 21–22 closed
- On position of the high performance MCB      contacts 11–14 und 21–24 closed

### Mounting ability of the auxiliary contact

- Two S800-AUX auxiliary contacts can be mounted by the user at the left on the high performance MCB.



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## S800-AUX/ALT

### Combined auxiliary and signal contact for the external display

The S800-AUX/ALT combined auxiliary and signal contact is used for electrical signaling of the operating state of the high performance MCB.

The **AUX** auxiliary contact always switches simultaneously with the live conductor contact and detect the following forms of tripping:

- Manual switch on/off
- Tripping due to thermal overload
- Tripping due to magnetic overload (short-circuit)
- Tripping by S800-SOR or S800-UVR

The **ALT** signal contact detects the following forms of tripping of the high performance MCB:

- Tripping due to thermal overload
- Tripping due to magnetic overload (short-circuit)
- Tripping by S800-SOR or S800-UVR

### Mode of function of the test button

The test button is operated by a tool and allows the user to simulate the mode of function of the combined auxiliary and signal contact when switched on without tripping the high performance MCB itself.

### Mode of function of the ALT reset button

The reset button, which can be used at will, resets the **ALT** signal contact after a tripping. The high performance MCB is switched on independent of the state of the **ALT** signal contact.

### Mode of function of the AUX changeover contact

- Off position of the high performance MCB      Contact 11–12 closed
- On position of the high performance MCB      Contact 11–14 closed

### Mode of function of the ALT changeover contact

- No ALT tripping      Contact 95–96 closed
- ALT tripping      Contact 95–98 closed

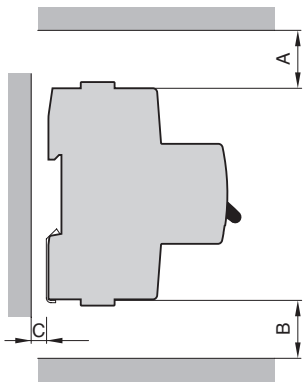
# Technical data

## Accessories

### Auxiliary contact S800-AUX

Utilisation categories compliant to IEC 60947-5-1		AC15 400/2A AC15 240/6A DC13 250/0.55 A DC13 125V/1.1 A DC13 60V/2A DC13 24V/4A
Rated values compliant to UL 489		125VAC 6A 250VAC 5A 24VDC 4A 125VDC 0.3A 250VDC 0.15A
Conventional free air thermal current $I_{th}$	A	6
Minimum operational current $I_{min}$	mA	3
Minimum operational voltage $U_{min}$	mV	24
Rated insulation voltage $U_i$	V	690
Number of contacts		2
Rated impulse withstand voltage $U_{imp}$	kV	6
Pollution degree		3
Standard		IEC 60947-5-1 / UL 489
Contact function		Changeover contact
Connection $C_u$	mm <sup>2</sup>	1 x 2.5 2 x 1.5 14 AWG
Tightening torque	Nm	1
AC/DC feed		any
Mounting on DIN top hat rail		EN 60715
Protection category		IP20
Permissible operating ambient temperature	°C	-25 ... +60
Storage temperature	°C	-40 ... +70
Mech. lifetime of device		6000 switching cycles
$I_{cu}$ mit S450E	A	1000
Vibration resistance		IEC 60068-2-6; EN 61373 Cat.1/Class B 5 g, 20 frequency cycle 5 ... 150 ... 5 Hz at 24V AC/DC, 5 mA short-term interruption <10 ms

# Dimensions of accessories



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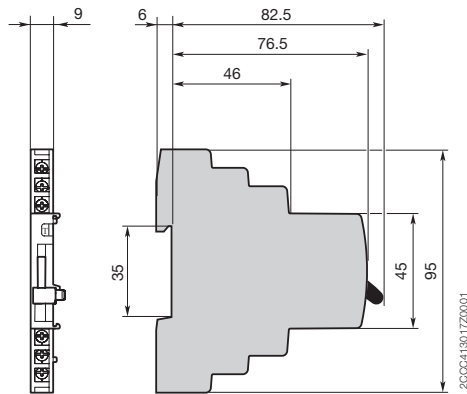
## Mounting clearances in mm

Dimensions	To grounded parts, insulating covers or cable ducts (DIN-rail can be ignored)	To bare, live parts where busbar clearance is 10 mm
A	25	100
B	25	100
C	7	50

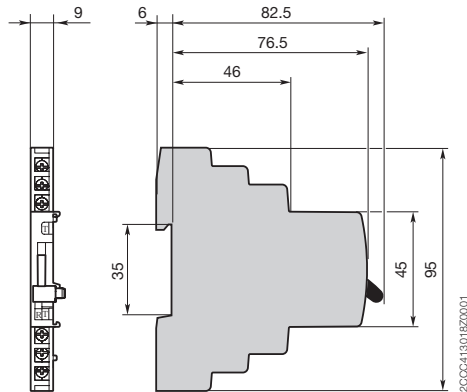
## Mounting clearances in mm for 690 VAC operation

Dimensions	To insulating covers or cable ducts (DIN-rail can be ignored)	To grounded parts	To bare, live parts
A	25	50	On request
B	25	25	On request
C	7	50	On request

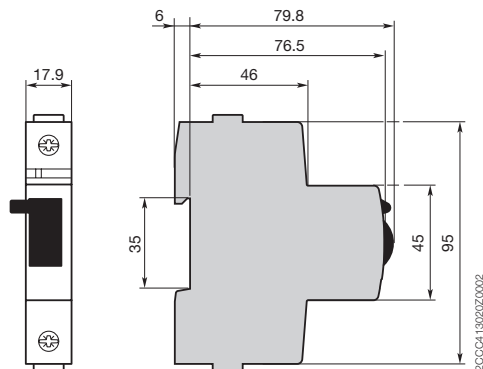
### S800-AUX













### S800-AUX/ALT



### S800-NT



# Approvals and certifications

	Switzerland 	Germany 	China 	US/Canada 	Russia 	Marine 				
<b>S800 Main devices</b>										
S800S High performance MCB B	■		■		■	■	■	■	■	■
S800S High performance MCB C	■		■		■	■	■	■	■	■
S800S High performance MCB D	■		■		■	■	■	■	■	■
S800S High performance MCB K	■		■		■	■	■	■	■	■
S800U High performance MCB UL489				■						
S800S High performance MCB KM										
S800S High performance MCB UCB	■		■		■					
S800S High performance MCB UCK	■		■		■					
S800N High performance MCB B	■		■		■					
S800N High performance MCB C	■		■		■					
S800N High performance MCB D	■		■		■					
S800C High performance MCB B	■		□		■					
S800C High performance MCB C	■		□		■					
S800C High performance MCB D	■		□		■					
S800C High performance MCB K			□		■					
S800B High performance MCB B	■				■					
S800B High performance MCB C	■				■					
S800B High performance MCB D	■				■					
S800B High performance MCB K	■				■					
S800PV-S High performance MCB		■	■		■					
S800PV-M High performance MCB		■	■		■					
S802PV-M-H High performance MCB		■	■							
<b>S800 accessories</b>										
S800-AUX	■	■		■	■	■	■	■	■	■
S800-AUX/ALT	■	■	■	■	■	■	■	■	■	■
S800-NT	■		■		■					
S800W-RSU				■	■					
S803S-SCL					■	■	■		■	■
S803W-SCL-SR			□	■	■	■				
S800-SCL-SR			□		■	■				
S800-SOR				■	■					
S800-UVR				■	■					

- devices are approved
- devices have been submitted for approval or submission planned for device