Auxiliary elements for S800

S800-AUX





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
On position of the high performance MCB
contacts 11–12 and 21–22 closed
contacts 11–14 and 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.

| Auxiliary contact S800-AUX | | |
|---|-----|--|
| Utilisation categories | | AC15 400/2A, AC15 240/6A, DC13 250/0.55A, |
| compliant to IEC 60947-5-1 | | DC13 125 V/1.1 A, DC13 60 V/2 A, DC13 24 V/4 A |
| 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} | Α | 6 |
| Minimum operational current I _{min} | mA | 3 |
| Minimum operational voltage U _{min} | V | 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 | mm² | 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} | Α | 1000 |
| Vibration resistance | | IEC 60068-2-6; EN 61373 Cat.1/Class B 5 g, 20 frequency cycle 5 150 5 Hz at 24 V AC/DC, 5 mA short-term interruption <10 m |

| | GTIN Order details 761227 | | | Price 1 | Weight 1 piece | |
|-------------------|------------------------------|-----------|-----------------|------------|-------------------|-----|
| Article | EAN | Type code | Order code | piece | kg | pc. |
| Auxiliary contact | 1206802 | S800-AUX | 2CCS800900R0011 | | 0.05 | 1 |

Auxiliary elements for S800

S800-AUX/ALT





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

Mode of function of the ALT changeover contact

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

Auxiliary elements for S800

S800-AUX/ALT

Technical data

| Combined auxiliary and signal contact \$800 | -AUX/ALT | | | |
|---|----------|--|--|--|
| Utilisation categories compliant to IEC 60947-5-1 | | AC15 400/2A, AC15 240/6A DC13 250/0.55A DC13 125V/1.1A 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} | Α | 6 | | |
| Minimum operational I _{min} | mA | 3 | | |
| Minimum operational voltage U _{min} | V | 24 | | |
| Rated insulation voltage U _i | Α | 690 | | |
| Number of contacts | | 2 (1x AUX, 1x AUX/ALT) | | |
| Rated impulse withstand voltage U _{imp} | kV | 6 | | |
| Pollution degree | | 3 | | |
| Standard | | IEC 60947-5-1 / UL 489 | | |
| Contact function | | Changeover contact | | |
| Connection $C_{\scriptscriptstyle u}$ | mm² | 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} with S450E | Α | 1000 | | |
| Vibration resistance | | IEC 60068-2-6; EN 61373 Cat.1/Class B 5 g, 20 frequency cycle 5 150 5 Hz at 24 V AC/DC, 5 mA short-term interruption <10 ms | | |

| | GTIN Order details 761227 | | | Price 1 | Weight 1 piece | |
|--------------------------|------------------------------|--------------|-----------------|------------|-------------------|-----|
| Article | EAN | Type code | Order code | piece | kg | pc. |
| Auxiliary/signal contact | 1206819 | S800-AUX/ALT | 2CCS800900R0021 | | 0.05 | 1 |

Summary

A brief overview and more useful information

Order Codes

A brief overview and more useful information

The link provided here will redirect you to the **detailed product catalog**, where you can find **more information about the products and the order codes**.

https://new.abb.com/products/2CCS800900R0011/s800-aux-auxiliary-contact