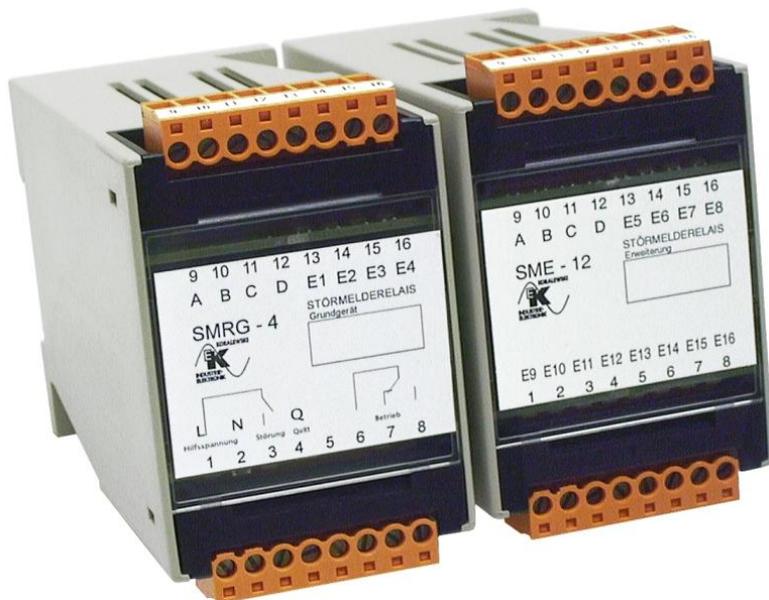


Fault Indication Relay SMRG-4 & Extension Module SME-12





1 General Remarks

The SMRG-4 fault indication relay is a collective alarm component for switching equipment. It is equipped with 4 independent alarm inputs, one phase-assigned switching output for indicator light, as well as one neutral changeover contact for outputting collective alarms to a control room or for an acoustic alarm. Using the SME-12 expansion module increases the number of alarm inputs by 12. Up to 4 SME-12 expansion modules can be connected to an SMRG-4 base component over a 4-pin bus, which makes a total of 52 alarm inputs available.

2 Mode of Operation

If a fault occurs, the, connected to terminal 3 (K1 relay with potential), indicator LED flashes, and the operation relay K2 de-energises (the green power - LED is off).

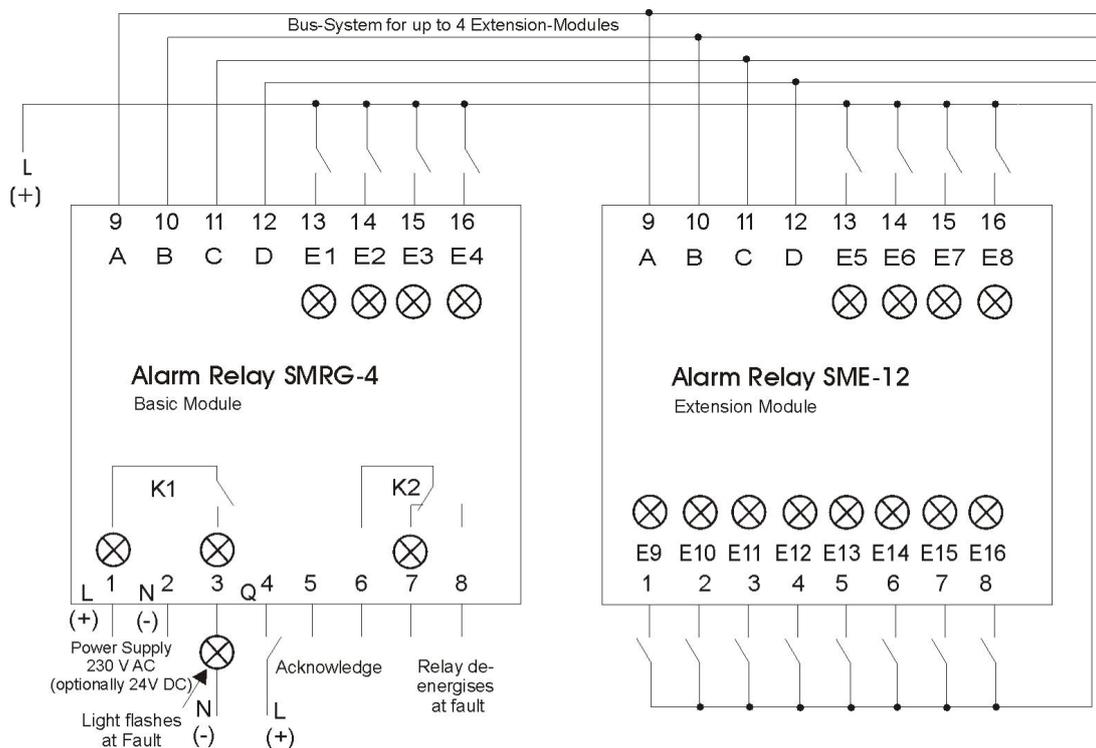
When the fault is acknowledged, the operation relay is activated again and the indicator LED, connected to terminal 3, lights steadily. The message light only goes out, when all faults are solved.



Setting up new fault values is done in accordance to DIN 19235:

If a new fault encounters, while an already acknowledged fault is still present at another input, the operation relay drops off again, and the indicator light flashes again (the inputs are edge - triggered).

3 Connection Diagram



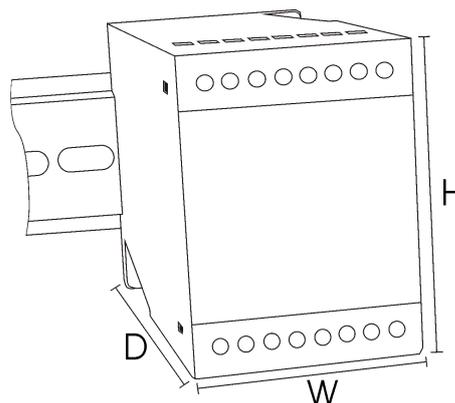


4 Technical Data



Only properly trained personnel may be deployed for assembly and starting up.
Connection in compliance with VDE 0160

Operating voltage	230V AC +/- 10% optionally: 24 V DC
Power consumption	ca. 4 VA
Fault message inputs	230 V AC / 50 Hz / 0,2 mA optionally 24 V DC generating new fault values as per DIN 19235
Input detection	from approx. 170 V AC
Delay time	at 230 V approx. 1 sec
Relay outputs	230 V AC / 50 Hz / 2 A
Ambient temperature	-20 ... +55 °C
Housing	W / H / D : 55 x 75 x 110 mm (35 mm – DIN standard rail) incl. terminals: height 86 mm



4.1 Ordering Info

Fault Indication Relay SMRG-4	Part Number
24 V DC – version:	E1048
230 V AC – version:	E1049

Extension Module SME-12	Part Number
24 V DC – version:	E1043
230 V AC – version:	E1047

