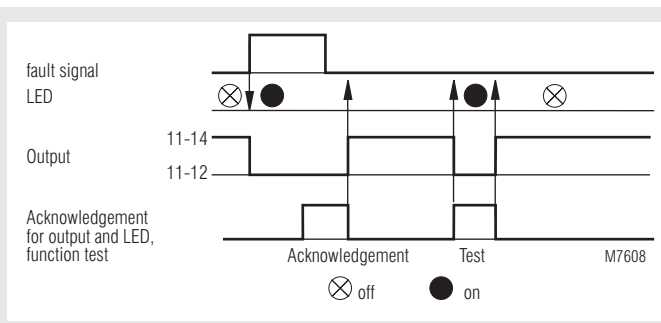


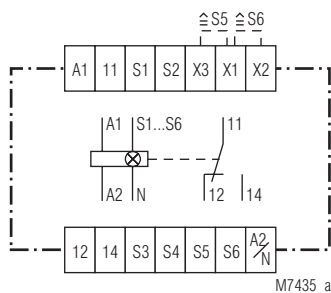


- Common alarm annunciator for 6 signals
- Optionally for up to 8 signals
- Closed circuit operation
- Optionally with open circuit operation
- With LED for each fault signal
- Inputs up to AC/DC 300 V
- With relay output for common signal
- Pushbutton for fault signal acknowledgement and function test
- Front surface 96 x 96 mm

Function Diagram



Circuit diagram



EH 9997.11

Approvals and Marking



Application

Monitoring of industrial plants and buildings

Indication

LEDs for each fault signal
Continuous light when fault signal applied

Notes

It must be observed, that the fault inputs are not separated from the supply voltage (common terminal A2/N). In case of DC-signals the minus-pole always to be connected to A2.
By removing the bridges X1/X3 - X1/X2 on the backside, the function of the fault signal can be changed, so that the faults 5 and 6 will only be indicated optically and the output relay will not be influenced.

The EH 9997 will be supplied unlabeled.
Individual lable on demand.

Technical Data

Input

Inputs:	between AC/DC 12 and 300 V in 3 sectors;
	AC/DC 12 ... 70 V, AC/DC 70 ... 160 V, AC/DC 160 ... 300 V
Nominal voltage U_N:	AC/DC 24, 42, 48 V AC 110 ... 127, 220 ... 240 V
Special voltage:	
external resistor	
DC 60 V:	820 Ω ZWS 8 SL
DC 110 V:	2.2 k Ω ZWS 20 SL
DC 220 V:	4.7 k Ω ZWS 20 SL
Voltage range:	0.8 ... 1.1 U_N
Nominal consumption:	AC 230 V, 9 VA
	DC 24 60 110 220 V
	1 2.5 5 10 W
Nominal frequency:	50 / 60 Hz

Technical Data

Output

Contacts

EH 9997.11: 1 changeover contact
6 A

Thermal current I_{th} : Switching capacity to AC 15

NO contact: 3 A / 230 V IEC/EN 60 947-5-1
NC contact: 1 A / 230 V IEC/EN 60 947-5-1

Electrical life
to AC 15 at 3 A, AC 230 V: 0.1 x 10⁶ switching cycles

**Short circuit strength
max. fuse rating:** 6 AgL IEC/EN 60 947-5-1

Mechanical life: > 30 x 10⁶ switching cycles

General Data

Operating mode: Continuous operation
Temperature range: - 20 ... + 60°C

Clearance and creepage distances

rated impuls voltage /
pollution degree: 4 kV / 2 IEC 60 664-1

EMC

Electrostatic discharge: 8 kV (air) IEC/EN 61 000-4-2

HF-irradiation: 10 V / m IEC/EN 61 000-4-3

Fast transients: 4 kV IEC/EN 61 000-4-4

Surge voltages
between

wires for power supply: 2 kV IEC/EN 61 000-4-5

between wire and ground: 4 kV IEC/EN 61 000-4-5

Interference suppression: Limit value class B EN 55 011

Degree of protection

Housing: IP 40 IEC/EN 60 529

Terminals: IP 20 IEC/EN 60 529

Housing

Thermoplast with V0 behaviour
according to UL subject 94

Vibration resistance:
Amplitude 0.35 mm,
frequency 10 ... 55 Hz IEC/EN 60 068-2-6

Climate resistance: humid heat IEC/EN 60 068-2-30

Terminal designation: EN 50 005

Wire connection:
2 x 2.5 mm² solid or
2 x 1.5 mm² stranded wire with sleeve
DIN 46 228-1/-2/-3/-4

Wire fixing: Flat terminals with self lifting
clamping piece IEC/EN 60 999-1

Mounting: 2 clamps with screws

Weight: 300 g

Dimensions

Width x height x depth: 96 x 96 x 129 mm

Front panel cut-out: Diameter 91⁺¹ mm

Standard Type

EH 9997.11 AC 220 ... 240 V 50/60 Hz AC/DC 160 ... 300 V
Article number: 0013214 stock item
• Output: 1 changeover contact
• Nominal voltage U_N : AC 220 ... 240 V
• Inputs: AC/DC 160 ... 300 V

Variants

EH 9997/013: During function test, common signal
will not be operated
EH 9997/074: Open circuit operation
EH 9997/075: 8 signals; all stored, indicated and
switching common output

Ordering example for variants

EH 9997 .11 / AC 230 ... 240 V AC/DC 160 ... 300 V 50/60 Hz

Nominal frequency
Inputs
Nominal voltage
Variant, if required
Contacts
Type

Connection Example

