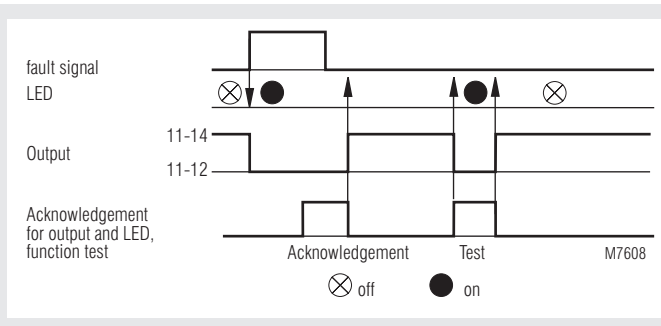


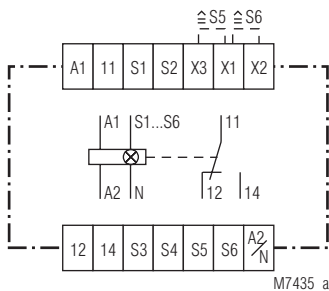


- Common alarm annunciator for 6 signals
- Optionally for up to 8 signals
- Closed circuit operation
- Optionally with open circuit operation
- With LED for each fault signal
- Inputs up to AC/DC 300 V
- With relay output for common signal
- Pushbutton for fault signal acknowledgement and function test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

<b>Inputs:</b>	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
<b>Nominal voltage <math>U_N</math>:</b>	AC/DC 24, 42, 48 V AC 110 ... 127, 220 ... 240 V
<b>Special voltage:</b>	
external resistor	
DC 60 V:	820 $\Omega$ ZWS 8 SL
DC 110 V:	2.2 k $\Omega$ ZWS 20 SL
DC 220 V:	4.7 k $\Omega$ ZWS 20 SL
<b>Voltage range:</b>	0.8 ... 1.1 $U_N$
<b>Nominal consumption:</b>	AC 230 V, 9 VA
	DC 24    60    110    220 V
	1    2.5    5    10 W
<b>Nominal frequency:</b>	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** IEC/EN 60 947-5-1

to AC 15 at 3 A, AC 230 V: 0.1 x 10<sup>6</sup> switching cycles

### Short circuit strength

max. fuse rating: 6 AgL IEC/EN 60 947-5-1

**Mechanical life:** > 30 x 10<sup>6</sup> 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

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

humid heat IEC/EN 60 068-2-30

EN 50 005

**Wire connection:** 2 x 2.5 mm<sup>2</sup> solid or

2 x 1.5 mm<sup>2</sup> 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<sup>+1</sup> 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

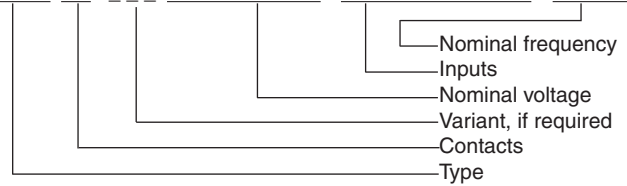
EH 9997/013: During function test, common signal will not be operated

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



## Connection Example

