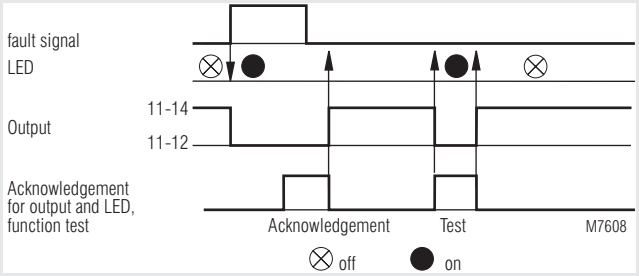
INFOMASTER
Fault Annunciator System
EH 9997

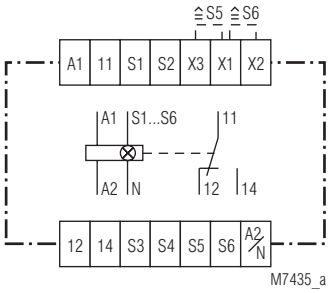
0231216

- 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

Connection Terminals

Terminal designation	Signal description
A1, A2/N	Auxiliary voltage AC or DC
S1, S2, S3, S4, S5, S6	Fault signal inputs
X1, X2, X3	Control inputs
11, 12, 14	Relay contact

Approvals and Markings

CE

Applications

Monitoring of industrial plants and buildings

Indicators

LEDs for each fault signal
Continuous light when fault signal applied

Notes

It must be observed, that the fault inputs are not seperated 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 unlabled.
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 kΩ ZWS 20 SL
DC 220 V:	4.7 kΩ 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

Output

Contacts		
EH 9997.11:	1 changeover contact	
Thermal current I_{th}:	6 A	
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 10^6 switching cycles	
Short circuit strength		
max. fuse rating:	6 A gG / gL	IEC/EN 60 947-5-1
Mechanical life:	> 30 x 10^6 switching cycles	

General Data

Operating mode:	Continuous operation	
Temperature range:		
Operation:	- 20 ... + 60 °C	
Storage:	- 20 ... + 60 °C	
Altitude:	< 2,000 m	
Clearance and creepage distances		
rated impulse voltage / pollution degree:	4 kV / 2	IEC 60 664-1
EMC		
Electrostatic discharge:	8 kV (air)	IEC/EN 61 000-4-2
HF-irradiation		
80 MHz ... 2,7 GHz:	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
HF-wire guided:	10 V	IEC/EN 61 000-4-6
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
Stripping length:	10 mm	
Fixing torque:	0.8 Nm	
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	
• Output:		1 changeover contact	
• Nominal voltage U_N:		AC 220 ... 240 V	
• Inputs:		AC/DC 160 ... 300 V	

Variant

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 Examples