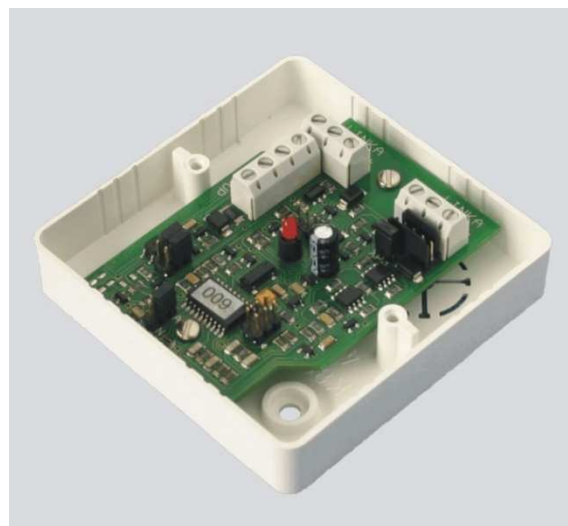# MHG 942

Input element with isolator

Input element with isolator MHG 942 is an addressable technological detector with built-in isolator intended for cooperation with Fire Detection and Fire Alarm System LITES for automatic signalling of user defined exceptional state(s) of any external device, which indicates this state either by closing or opening an electrical contact or by voltage received by the optoisolated input. Contacts can also be set as guarded.

The element is connected to an addressable detection line of C.I.E. MHU 109, MHU 110/111, MHU 115 or MHU 116/117. Address is set by addressing preparation MHY 535. During operation the unit is not operated, normal state is not signalled. Active state is signalled by blinking red LED. Remote light indicator MHS 408 or MHS 409 can be connected.

The element has a built-in isolator, which can be disabled. The element can be used as just isolator; in this case there is no need to set an address.

Technical parameters

Power supply	$18 - 21$ V_{imp}
Rated voltage	20 V_{imp}
Optical signalling	red LED
Parallel signalling	MHS 408 or MHS 409
Input optoisolated – voltage	
input voltage	$5 - 30$ V
input resistance	cca 10 k Ω
contact – closing/opening	
output voltage	20 V_{imp}
output current	$1,2$ mA
Address range (set by MHY 535)	$1 - 128$
Parallel signalling line resistance	max. 100Ω
Cross-section of connectable wires	$(0,2 - 1,5)$ mm^2
Protection according to ČSN EN 60529	IP 40
Radio screening degree according to ČSN EN 55022	B-class equipment
Dimensions	$(81 \times 81 \times 24)$ mm
Weight	cc 85g

Product is intended for operation with safe equipment in sense of ČSN EN 60950.

Working conditions

   The MHG 942 is intended for the interior of objects with out occurrence of aggressive substances, and for places where its protection and climatic immunity conform, and where sudden temperature changes leading to dew and ice accretion don`t occur.

Working temperature range   -25℃ ÷ +70℃
Relative humidity   max. 95% at +40℃
Atmospheric pressure   66 ÷ 106 kPa
Version 04/2017