

# MAGNETIC PROXIMITY SENSOR

## MMiSS 2110 Ex

INTRINSICALLY  
SAFE  
SECURITY SYSTEMS



### DESCRIPTION:

Magnetic Proximity sensor designed and engineered for II 1G Ex ia IIC T6 - T4 Ga, II 1D Ex ia IIIC T 125°C Da, hazardous areas.

Device reports the entry of an unauthorised person into the protected areas.

In order to maintain Ex compliant installation for the device, relevant certified isolation amplifier for power supply and signal transmission are needed.

### KEY POINTS:

- ATEX compliant
- Use in zones 1, 2 and 22, group II
- Exi protection
- Detection gap up to 50 mm



### TECHNICAL DATA:

Installation	Surface installation
Fixing	Screws
Construction Material	Aluminium
Max. Detection Gap	50 mm
Substrate	Non-conductive + Conductive
Tamper Contact	Yes
Connnection (number of wires)	4
Wire Length With Sensor	45 cm
Alarm Output	NC
Housing Colour	Grey
Enviromental Class	II (any internal use)
Dimensions	27mm x 84mm x 27mm (HxWxD)
Special Features	Reinforced Wire
Applicable With Following Zones	II 1G Ex ia IIC T6 Ga III 3G Ex nA T6 II 1D Ex ia IIIC T 125°C Da
Electrical Specifications	$U_i = 28V$ , $I_i = 93mA$ , $P_i = 0,65W$ , $C_i = 0$ , $L_i = 0$
Housing IP protection	IP65

### MARKING:

MM ISS 2010 /.

APPLICATION TYPE:  
N - normal environment  
safe areas  
Ex - hazardous areas

Exemplary Marking:  
MM ISS 2110 Ex  
Magnetic proximity sensor  
for hazardous zones.