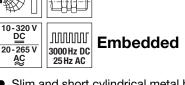
IS 212 2-wire UC standard design

Inductive switches

Dimensioned drawing

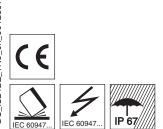




Slim and short cylindrical metal housing • M12

2mm

- Chromium-plated brass housing
- Built-in short circuit protection, inductive • protection and polarity reversal protection
- LED for switching state visible from 360°
- Non-polarized 2-wire design
- AC/DC supply voltage



Accessories:

(available separately)

Mounting clamp (MC 012...)





ø5

IS 212...-2E0

M12x1

52

А

В



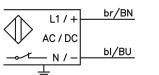
Tightening torque of the fastening nuts < 10Nm !

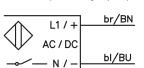
Α Active surface

В Yellow indicator diode

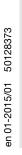
Electrical connection

...NC... (normally closed)





...NO... (normally open)



We reserve the right to make changes • DS_IS212E_1N3_en_50128373.fm

▲ Leuze electronic

IS 212 2-wire UC standard design

Specifications

General specifications Type of installation Typ. operating range limit Sn Operating range Sa **Electrical data** Operating voltage U_B¹⁾ Residual ripple o Output current IL Open-circuit current I₀ Minimum load current I .../1NC.3... .../1NO.3... Switching output/function Voltage drop U_d Hysteresis H of S Témperature drift of Sr Repeatability Timing Switching frequency f Delay before start-up Indicators Yellow LED (visible from 360°) Mechanical data Housing Standard measuring plate Active surface Weight Connection type **Environmental data** Ambient temperature Degree of protection Protective circuit 4) Standards applied Electromagnetic compatibility

IS 212...-2E0 embedded installation 2.0mm 0 ... 1.6mm 20 ... 265VAC / 10 ... 320VDC \leq 20% of U_B \leq 200mA AC/DC \leq 1mA 2mA relay, NC contact relay, NC contact relay, NO contact \leq 6V at 200mA \leq 20% \leq 10% ²) \leq 0.5mm ³) AC: 25Hz DC: 3000Hz \leq 10ms

switching state

chromium-plated brass 12 x 12mm², Fe360 PBTP approx. 95g cable: 2m, PVC, 2 x 0.34mm², Ø 5.0mm

-25°C ... +70°C IP 67 1, 2, 3 IEC/EN 60947-5-2 IEC 60947-5-2 5kV IEC 61000-4-2 Level 2 air 8kV (ESD) IEC 61000-4-3 Level 3 10V/m (RFI) IEC 61000-4-4 Level 3 2kV (Burst)

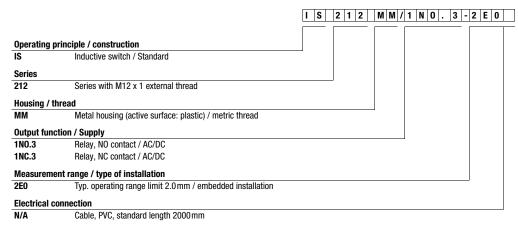
1) Observe the safety regulations and installation instructions regarding power supply and wiring.

2) Over the entire operating temperature range

3) For U_B = 20 ... 30VDC, ambient temperature $T_a = 23 \degree C \pm 5 \degree C$

4) 1=polarity reversal protection, 2=short circuit protection, 3=inductive protection for all outputs

Part number code



Order guide

The sensors listed here are preferred types; current information at www.leuze.com.

S_n = 2mm

 Designation
 Part no.

 IS 212 MM/1NC.3-2E0
 50128149

 IS 212 MM/1N0.3-2E0
 50128150

Additional types on request

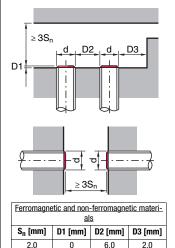
Tables

led	luct	ion	factors:	
	-	-	-	

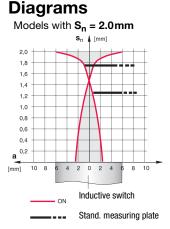
for S _n = 2.0mm			
Steel Fe360	1		
Copper	0.20		
Aluminum	0.30		
Brass	0.40		
Stainless steel	0.80		

Mounting

Embedded installation:



_.



Remarks

Operate in accordance with intended use!

- This product is not a safety sensor and is not intended as personnel protection.
- The product may only be put into operation by competent persons.
- operation by competent persons. ♦ Only use the product in accordance with the intended use.