

INTERFACE MODULE

IS-IM1A.1



APPROVALS



ATEX approval: Ex-Zone 1/21 requested
⊕ II 2G Ex eb mb [ib Gb] IIC T4 Gb
⊕ II (2)D [Ex ib Db] IIIC
I (M1) [Ex ia Ma] I



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Ex eb mb [ib Gb] IIC T4 Gb
[Ex ib Db] IIIC
[Ex ia Ma] I

TECHNICAL FEATURES

INPUT POWER	$U_{\text{nominal}} = 24V_{\text{DC}} \pm 10\%$, $I_{\text{nominal}} = 1,2A$
DIMENSIONS	Size: 106,3 x 90,5 x 62,0 mm weight: ± 450 g
AMBIENT OPERATING TEMPERATURE	$-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$
DIN RAIL MOUNTING IEC/EN 60715	TH 35 x 7,5
PROTECTION CLASS	Module: IP68 - Terminal: IP20
CONNECTION METHOD	Push-in Spring Connection
INTERFACES	X1: IS-DS940.x Host Interface X2: USB 1.1 Ex i X3: 24 V Power Input X4: Ethernet Ex e X5: USB 2.0 Ex e X6: USB BUS Ex e
SPECIFICATION – X2 : USB 1.1 Ex i	$U_o = 5,36$ V $I_o = 231$ mA $P_o = 0,624$ W $C_o = 65$ μF $L_o = 1,1$ mH $C_i = 66,6$ nF $L_i = \text{negligible}$
SPECIFICATION – X3 : 24 VDC INPUT	$U_m = 253$ V
SPECIFICATION – X4 : ETHERNET Ex e	$U_{\text{nominal}} = 5$ V AC/DC $I_{\text{nominal}} = 250$ mA
SPECIFICATION – X5 : USB 2.0 Ex e	$U_{\text{nominal}} = 5$ V $I_{\text{nominal}} = 500$ mA
SPECIFICATION – X6 : USB BUS Ex e	$U_{\text{nominal}} = 5$ V $I_{\text{nominal}} = 250$ mA