

INTERFACE MODULE

IS-IM1A.1



APPROVALS



ATEX approval: Ex-Zone 1/21
⊕ 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	$U_{\text{nominal}} = 24V_{\text{DC}} \pm 10\%$, $I_{\text{nominal}} = 1,2A$
POWER DISSIPATION	5,89 W
DIMENSIONS	Size: 106,3 x 90,5 x 62,0 mm weight: $\pm 457,4$ g
AMBIENT OPERATING TEMPERATURE	$-20\text{ }^{\circ}\text{C} \leq T_a \leq +60\text{ }^{\circ}\text{C}$
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	$U_o = 5,36\text{ V}$ $I_o = 231\text{ mA}$ $P_o = 0,624\text{ W}$ $C_o = 65\text{ }\mu\text{F}$ $L_o = 1,1\text{ mH}$ $C_i = 66,6\text{ nF}$ $L_i = \text{negligible}$
SPECIFICATION – X3 : 24 VDC INPUT	$U_m = 253\text{ V}$
SPECIFICATION – X4 : ETHERNET Ex e	$U_{\text{nominal}} = 5\text{ V AC/DC}$ $I_{\text{nominal}} = 250\text{ mA}$
SPECIFICATION – X5 : USB 2.0 Ex e	$U_{\text{nominal}} = 5\text{ V}$ $I_{\text{nominal}} = 500\text{ mA}$
SPECIFICATION – X6 : USB BUS Ex e	$U_{\text{nominal}} = 5\text{ V}$ $I_{\text{nominal}} = 250\text{ mA}$