

Hazardous Area
Zone 0, 1, 2
EPL Ga, Gb, Gc

Hazardous Area
Zone 1, 2
EPL Gb, Gc

Non-hazardous Area

Certified associated intrinsically device

Associated intrinsically safe devices with max. connection values from the following table (head transmitter)

INTRINSICALLY SAFE

Safety instructions: Installation



- Comply with the installation and safety instructions in the Operating Instructions.
- Install the device according to the manufacturer's instructions and classification IP20 according to EN/IEC 60529 is upheld.
- When installing the unit note that the housing ingress protection classification IP20 according to EN/IEC 60529 is upheld.
- When connecting the measurement unit with a certified circuit of category "ib" into an IIC or IIB hazardous area the ignition class changes to: Ex ib IIC or Ex ib IIB.
- In hazardous areas it is not permitted to use the CDI interface for configuration.
- On installation please make sure that the spacing between the intrinsically safe and non-intrinsically safe circuits is at least 50 mm.

Safety instructions: Zone 1 and Zone 2

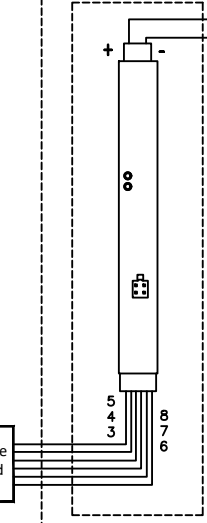
- According to the specifications of the manufacturer, this apparatus can be operated in zone 1 (category 2)/EPL Gb or zone 2 (category 3) /EPL Gc.
- The sensor current circuit may be introduced into zone 0 (category 1)/EPL Ga.

INTRINSICALLY SAFE

IECEx EPS 23.0018X; EPS 23ATEX 1 087 X
II 2(1)G
Ex ib [ia Ga] IIC T6...T4 Gb



e.g. RTD or TC Sensor (Simple Apparatus) remote mounted



Temperature range

Zone 1, EPL Gb: Ta: -40 ... +46/61/85°C T6/T5/T4

Applicable requirements see EPS certificates IECEx EPS 23.0018X, EPS 23 ATEX 1 087 X

Terminals	Entity Parameters													
Supply Terminals (+ and -)	$U_i \leq 30$ VDC $I_i \leq 130$ mA $P_i \leq 770$ mW $C_i =$ negligible $L_i =$ negligible													
Sensor Terminals (3 to 7)	$U_o \leq 9$ VDC $I_o \leq 13$ mA $P_o \leq 29.3$ mW													
	Max. connection data													
		<table border="1"> <thead> <tr> <th></th> <th>Lo</th> <th>Co</th> </tr> </thead> <tbody> <tr> <td>Ex ia IIC</td> <td>5 mH</td> <td>0.93 μF</td> </tr> <tr> <td>Ex ia IIB</td> <td>20 mH</td> <td>3.8 μF</td> </tr> <tr> <td>Ex ia IIA</td> <td>50 mH</td> <td>4.8 μF</td> </tr> </tbody> </table>		Lo	Co	Ex ia IIC	5 mH	0.93 μ F	Ex ia IIB	20 mH	3.8 μ F	Ex ia IIA	50 mH	4.8 μ F
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TITLE: Control Drawing EPS ATEX / IECEx Ex ia T82 DIN RAIL		PART NUMBER:		REVISION DATE: 02/16/2023		 FORT WAYNE, INDIANA 260-484-2580
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