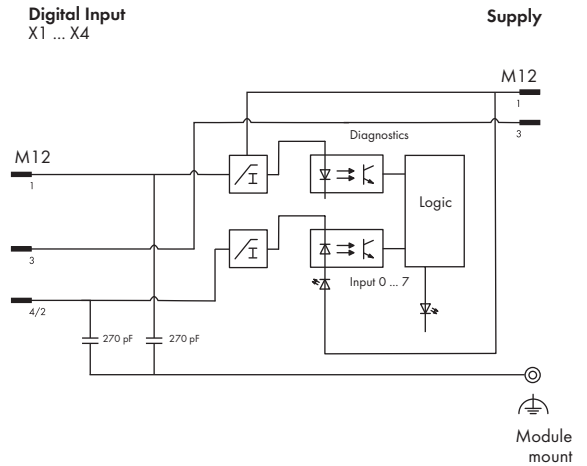


Block diagram of an input



**Technical Data**

**Input characteristic:**

Input voltage	Typical input current
$U_{IN}$	0mA
$U_{IN} - 5V$	2.2 mA
$U_{IN} - 11V$	6.1 mA ... 6.3 mA
$-3 V < U_{IN} < 0 V$	7mA

**System bus:**

Connection type (3)	M12 connectors, B coded, 5 poles, shielded
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**Standards and approvals:**

Conformity marking	CE
Korea Certification	
UL 508	
BVS 15 ATEX E 098 X	II 3G Ex nA IIC T5 Gc, II 3D Ex tc IIIB T90°C Dc
IECEx BVS 15.0083X	Ex nA IIC T5 Gc, Ex tc IIIB T90°C Dc

**Technical Data**

**Isolation:**

Channel - Channel	No
$U_{IS}$ , $U_{A}$ system bus	500 V DC each

**Configurable functions:**

Input filter (per channel)	0.1 / 0.5 / 3 / 15 / 20 ms / filter off
Inversion (per channel)	On/off
Online simulation (per channel)	Lock/unlock, simulation value: 0/1
Online simulation (per module)	Diagnostics

**I/O diagnostics:**

I/O diagnostics (per module)	Short circuit/overload of sensor supply Undervoltage ( $U_{IS} + U_{A}$ )
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**Process image:**

Process data width	1-byte data + status
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**LED indicators:**

SB: System bus status	LED (green/red/orange)
F: Error status	LED (red)
0 ... 7: Input signal status	LED (yellow)
$U_{IS} + U_{A}$ : Supply status	LED (green)
Indicators	Non-latching

**General Specifications**

Dimensions (mm) W x H x L	50 x 35.7 x 117
Weight	270 g