

Dimensions

Type	DI40EX
ID	6884004
Supply voltage	Via module rack, central power supply module
Power consumption	≤ 1 W
Galvanic isolation	Complete galvanic isolation acc. to EN 60079-11
Number of channels	4
Input circuits	acc. to EN 60947-5-6 (NAMUR) Intrinsically safe acc. to EN 60079-11
No-load voltage	8 VDC
Short-circuit current	4 mA
Switching threshold on/off	type 1.8 / type 1.3 mA
Switching frequency	≤ 50 Hz
Short-circuit	< 367 Ω
Wire-break	< 0.1 mA
Ex approval acc. to conformity certificate	PTB 02 ATEX 2032
Device designation	II 2 (1GD) G Ex ib [ia] IIC T4
Displays/Operating elements	
Operational readiness	1 × green/red
State/ Fault	4 × yellow/red
Housing material	Plastic
Connection mode	module, plugged on rack
Protection class	IP20
Ambient temperature	-20...+70 °C
Relative humidity	≤ 93 % at 40 °C acc. to IEC 60068-2-78
Vibration test	Acc. to IEC 60068-2-6
Shock test	Acc. to IEC 60068-2-27
EMC	Acc. to EN 61326-1 Acc. to Namur NE21
MTTF	111 years acc. to SN 29500 (Ed. 99) 40 °C
Dimensions	18 x 118 x 106 mm
Approvals	ATEX cFMus cFM EAC Ex DNV GL BV LR KR KCC CE



Accessories

Type code	Ident-No.		Dimension drawing
excom-RMD1-BU	100020744	The resistor module prevents wire-break detection and short-circuit detection in digital input modules. For analog input modules, overflow and underflow messages are also suppressed.	