ReeR

Your future's safe!

MOSAIC MV2HC

Order Code: **1100174**

Safety Speed Monitoring Expansion Unit, 2 Inputs for HTL Encoders, Clamp Terminal Blocks

Safety level
PL e

Safety inputs
4 digital inputs

Max. number of proximity
2

Max. number of encoders
2

Technical Description

Safety Speed Monitoring (up to PL e) for: zero speed control, max. speed, speed range and direction control
RJ-45 connectors for encoders and terminal blocks for proximity switches
Max. input frequency for encoders: up to 500 KHz (300 KHz for HTL encoder)
Max. input frequency for proximity switches: up to 5 KHz
Includes two configurable logical outputs and is therefore able to control up to two independent axis (configurable via MSD)

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Features

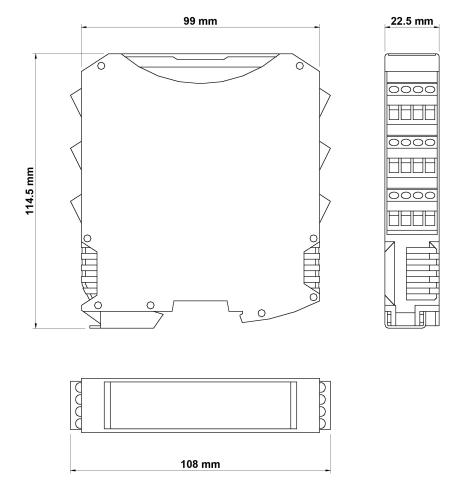|	
Safety level	PL e
Safety inputs	4 digital inputs
Safety level (SIL / PL)	SIL 3 - SILCL 3 - PL e - Cat. 4
Operating temperature (°C)	- 10 ... 55
Signalling	LEDs indication for operating status and fault diagnosis. LED indication of the: proximity/encoder inputs and speed of the controlled axis (within the range, stand still, overspeed) condition
Connections	Removable terminal blocks, clamp contacts
MTTFD (ISO13849) years	30 ... 100
PFHD (IEC 61508)	8,92E-09
Storage temperature (°C)	-20 ... +85
MSC connector provided	Yes
Connection with MSC BUS	Yes
Proximity connections	Terminal blocks
Max. number of proximity	2
Max. number of encoders	2
Max. number of axes	2
Encoder connections	RJ45
Encoder Interface	HTL
Product class	C

Electrical data

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Power supply (VDC)	24 ± 20%
Max. proximity frequency (KHz)	5
Max. encoder frequency (KHz)	300

Mechanical data

Dimensions HxWxD (mm)	108 x 22,5 x 114,5
Degree of protection	IP20 for housing - IP2X for terminal block
Fastening	35 mm DIN rail fastening according to EN 50022-35 standard
Gross weight (g)	205,4

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Technical drawings

99 mm

22.5 mm

114.5 mm

108 mm

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Certificates

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