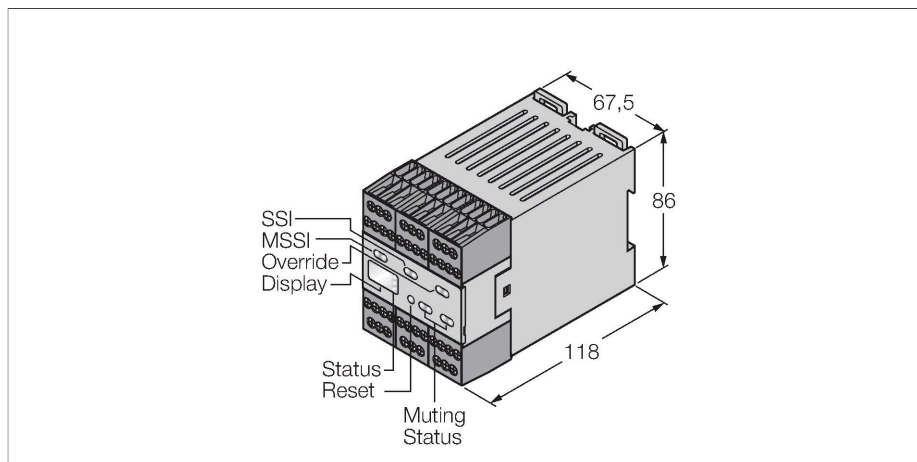


# MMD-TA-12B

## Machine Safety – Muting Modules



### Features

- PLe acc. to ISO 13849-1
- Safety category 4 acc. to EN 954-1
- SIL 3 acc. to IEC 61508 and IEC 62061
- Adjustments via DIP switch
- Connection of max. 2 muting sensor pairs
- Muting lamp output
- Deactivation
- Universal safety stop interface
- Reset
- Adjustable external device monitoring (EDM)
- Two-digit diagnostic display
- Operating voltage 24 VDC  $\pm 15\%$
- Protection class IP20

### Technical data

Type	MMD-TA-12B
ID no.	3075091
Function	Muting module
With muting function	yes
Operating voltage	21...28 VDC
No-load current	$\leq 250$ mA
Short-circuit protection	yes / Cyclic
Reverse polarity protection	yes
Output function	2 x NC (normally closed), 2 x PNP
Response time typical	$< 10$ ms
Design	Rectangular
Dimensions	118 x 67.5 x 86 mm
Housing material	Plastic, PC
Electrical connection	Screw terminals
Ambient temperature	0...+50 °C
Relative humidity	0...95 %
Protection class	IP20
Power-on indication	LED, Green
Switching state	LED, Red

### Functional principle

The muting module is designed to suppress the safety function of a safety device, e.g. a safety light screen. Thereby the switching outputs of the connected muting sensors trigger suppression of the machine stop signal. The safety switching outputs of the muting module are directly connected to a load relay (e.g. IM-T9A). The switching device with 2-channel monitoring, diverse redundant design and mutual processor control, complies with the personnel safety category PLe acc. to ISO 13849-1.