

Connection Box for Muting Sensors

6-ports; for SEFG and SEFB

ZFBB001

Part Number



- Connection of external muting signals
- Connection of up to 4 muting sensors
- Reset and override possible after connecting a pushbutton
- Simultaneous execution of muting and cascading

The connection box provides four connections for muting sensors and supports all of the muting functions included with SEFG safety light curtains and SEFB multi-beam safety light curtains. Furthermore, the connection box makes it possible to simultaneously execute muting and cascading.

Technical Data

Electrical Data

Number of muting ports 1

{Anzahl_Kaskadierung-Ports} 5

Mechanical Data

Cable Length 1 m

Outside diameter (d) 9,7 mm

Wire cross-section 0,34 / 1 mm²

Display LED

Degree of Protection IP65/IP67

Temperature Range -30...90 °C

Housing Material Plastic

Cable Jacket Material PUR

Material Wire Insulation PP

Halogen-free yes

Drag Chain Suitable yes

Bending radius (used in motion) 10 × d

Type of Connection Power M12 × 1; 8-pin

Muting connection 5 × M12; 4-pin

Cascading connection M12 × 1; 8-pin

Function

External muting signals yes

Cascading yes

Reset override yes

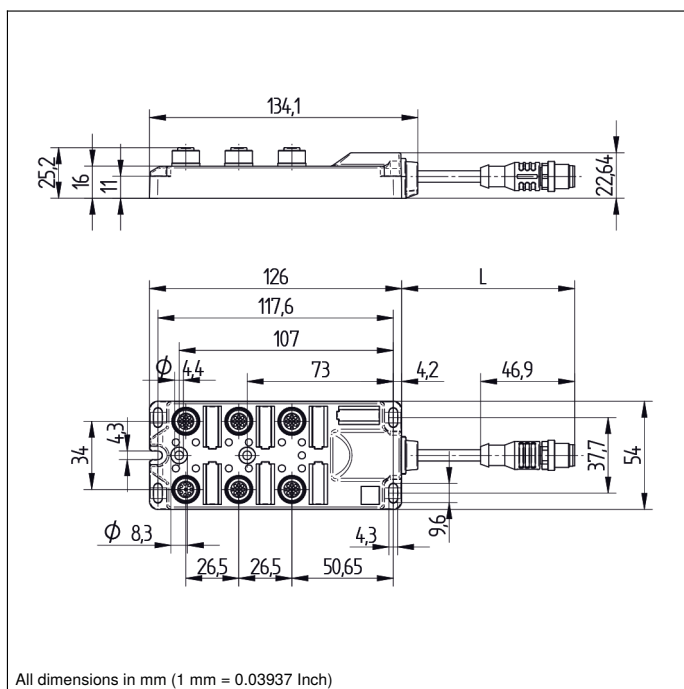
Scope of delivery 5 M12 locking screws

7 inscription labels

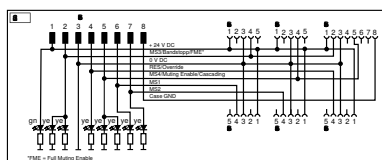
Packaging unit 1 Piece

Connection Diagram No.

246



All dimensions in mm (1 mm = 0.03937 Inch)



Legend

+	Supply Voltage +	PT	Platinum measuring resistor	ENAR5422	Encoder A/Ä (TTL)
-	Supply Voltage 0 V	nc	not connected	ENBR5422	Encoder B/Ä (TTL)
~	Supply Voltage (AC Voltage)	U	Test Input	ENa	Encoder A
A	Switching Output (NO)	U	Test Input inverted	ENb	Encoder B
Ä	Switching Output (NC)	W	Trigger Input	AMIN	Digital output MIN
V	Contamination/Error Output (NO)	W-	Ground for the Trigger Input	AMAX	Digital output MAX
Ä	Contamination/Error Output (NC)	O	Analog Output	AOK	Digital output OK
E	Input (analog or digital)	O-	Ground for the Analog Output	SY In	Synchronization In
T	Teach Input	BZ	Block Discharge	SY OUT	Synchronization OUT
Z	Time Delay (activation)	AWV	Valve Output	OLt	Brightness output
S	Shielding	a	Valve Control Output +	M	Maintenance
RxD	Interface Receive Path	b	Valve Control Output 0 V	rsv	reserved
TxD	Interface Send Path	SY	Synchronization	Wire Colors according to IEC 60757	
RDY	Ready	SY-	Ground for the Synchronization	BK	Black
GND	Ground	E+	Receiver-Line	BN	Brown
CL	Clock	S+	Emitter-Line	RD	Red
E/A	Output/Input programmable	±	Grounding	OG	Orange
IO-Link	IO-Link	SnR	Switching Distance Reduction	YE	Yellow
PoE	Power over Ethernet	Rx+/-	Ethernet Receive Path	GN	Green
IN	Safety Input	Tx+/-	Ethernet Send Path	BU	Blue
OSSD	Safety Output	Bus	Interfaces-Bus A(+)/B(-)	VT	Violet
Signal	Signal Output	La	Emitted Light disengageable	GY	Grey
BL-D+/-	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation	WH	White
EN0.5422	Encoder 0-pulse 0-0 (TTL)	RES	Input confirmation	PK	Pink
		EDM	Contactor Monitoring	GNYE	Green/Yellow