

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 functions available by 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-light arrays. Furthermore, the connection box makes it possible to simultaneously execute muting and cascading.

Technical Data

Electrical Data

Number of muting ports 1

Number of cascading ports 5

Mechanical Data

Cable Length 1 m

Outer 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

Muting sensors Max. 4 pieces

Reset override yes

Scope of delivery 5 M12 locking screws;
7 inscription labels

Packaging unit 1 Piece

Connection Diagram No.

246

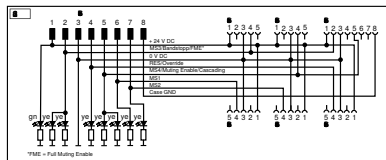


Figure 6. Pin configuration

TMS = Full Mating Enable

Legend					
+	Supply Voltage +	nc	Not connected	EN _{BRG422}	Encoder B/B̄ (TTL)
-	Supply Voltage 0 V	U	Test Input	EN _A	Encoder A
~	Supply Voltage (AC Voltage)	Ü	Test Input inverted	EN _B	Encoder B
A	Switching Output (NO)	W	Trigger Input	AM _{IN}	Digital output MIN
Ä	Switching Output (NC)	W-	Ground for the Trigger Input	AM _{AX}	Digital output MAX
V	Contamination/Error Output (NO)	O	Analog Output	AOK	Digital output OK
Ů	Contamination/Error Output (NC)	O-	Ground for the Analog Output	SY In	Synchronization In
E	Input (analog or digital)	BZ	Block Discharge	SY OUT	Synchronization OUT
T	Teach Input	AM _v	Valve Output	OLT	Brightness output
Z	Time Delay (activation)	a	Valve Control Output +	M	Maintenance
S	Shielding	b	Valve Control Output 0 V	rsv	Reserved
RxD	Interface Receive Path	SY	Synchronization	Wire Colors according to DIN IEC 60757	
TxD	Interface Send Path	SY-	Ground for the Synchronization		
RDY	Ready	E+	Receiver-Line	BK	Black
GND	Ground	S+	Emitter-Line	BN	Brown
CL	Clock	±	Grounding	RD	Red
E/A	Output/Input programmable	±	Grounding	OG	Orange
	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
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	Mag	Magnet activation	WH	White
EN _{0 RS422}	Encoder 0-pulse 0/Ü (TTL)	RES	Input confirmation	PK	Pink
PT	Platinum measuring resistor	EDM	Contact or Monitoring	GN _{YE}	Green/Yellow
		EN _{ARs422}	Encoder A/Ä (TTL)		