

ROBUST RR43-MCB-4.2



Supplement to ROBUST 42, 43, 44 Connecting- and Operating Instructions

The RR43-MCB-4.2 Receiver for combining all safety-related signals for a muting control, preferably using the MSI-m/R and MSI-mx/Rx safety interfaces.

The M12 connection sockets in the profile of the multiple light beam safety device simplify the cable-laying to the control cabinet. There are connections for 4 muting sensors, muting lamps and restart buttons.



Safety note:

Knowledge of the connecting and operating instructions of the basic ROBUST 4 multiple light beam safety devices and the data sheet of the ROBUST RR43-MCB-4.2 multiple light beam safety device type is required for the connection and initial operation of the ROBUST RR43-MCB-4.2.6 device type.

Features

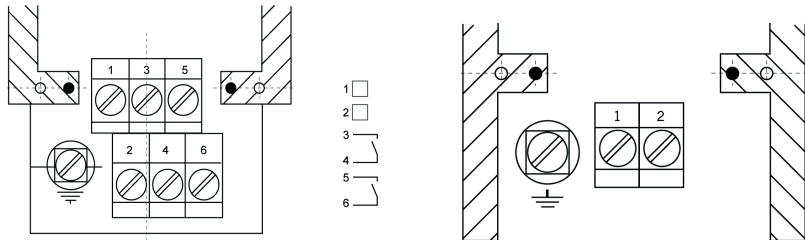
- Multiple light beam safety devices in acc. with EN 61496-1, 61496-2
- Beam distance - 400 mm
- 2 safety relay outputs
- M12 connection socket for muting lamps and start/restart buttons on-site
- M12 connection socket for muting sensors
- Parallel and sequential muting possible

Electrical connection

(See also, ROBUST 4 connecting and operating instructions)

Receiver:
RR43-MCB-4.2

Transmitter:
RT43



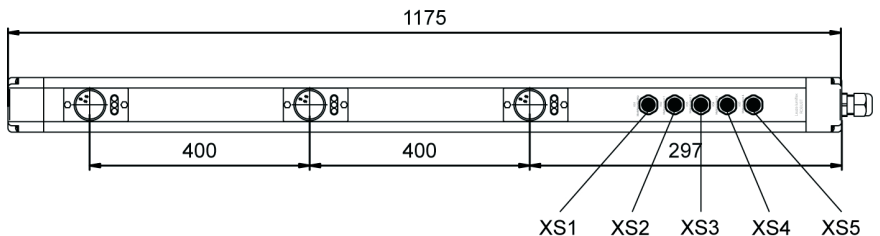
Pin assignment RR43-MCB-4.2

Pin	Function	Comment	XS assignment
1	+ 24V	Supply voltage	XS1, Pin4
2	+ 24V		
3	0 V		XS1,2,3 Pin3
4	K1.1		
5	K1.2		
6	K2.1		
7	K2.2		
8	M1	Muting sensor output	XS2, Pin4
9	M2	Muting sensor output	XS3, Pin4
10	M3	Muting sensor output	XS4, Pin4
11	M4	Muting sensor output	XS5, Pin4
12	+ 24V	Muting sensors supply voltage	XS2, Pin1
13	Start button		XS1, Pin2
14	Muting lamp	Internal lamp	
15	Muting lamp		XS1, Pin1



The maximum permissible switching voltage of the safety relay outputs is 42V AC/DC. Dimensional drawing

Dimensional drawing



Technical data

See the information for technical data in the connecting and operating instructions for ROBUST 4 multiple light beam safety devices.

Ordering information

Article no.	Type	Description
909673	ROBUST RR43-MCB4.2	Multiple light beam safety device, receiver with integr. muting connection box
50029085	ROBUST RT43	Multiple light beam safety device, transmitter