

ROBUST RRT42-MCB-2.1



Supplement to the ROBUST 42, 43 and 44 Connecting and Operating Instructions (AOPD type 4)

In order to bring together all the safety-related signals for a muting control device, ideally using the safety interface modules MSI-m/R(T) and MSI-mx/RX(Tx), a version of the ROBUST has now been developed

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The built-in M12 sockets in the profile of the multibeam safety light barrier make it an easy matter to connect the cable to the switch cabinet. Connections for muting sensors as parallel muting, additional muting signal lamp and start/restart button

! More technical data see connecting and operating instructions ROBUST 42, 43, 44 (AOPD category 4).

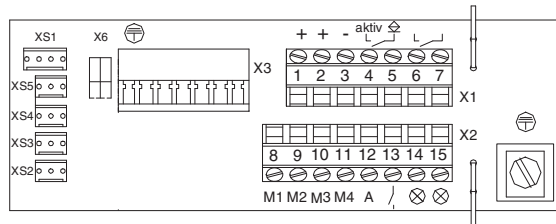
Features

- Connection socket for muting signal lamp and on-the-spot start/restart button
- Connection sockets for muting sensors
- Only one cable required for connecting to the switch cabinet
- Large terminal compartment with pull-out terminal
- Compact profile with adjustable sliding blocks
- Parallel muting
- Activation of the muting sensors by means of separate operating voltage is possible

Electrical Connection

! The only permissible operating and switching voltage (e.g. for relay outputs) is 24 V DC. The cable connection to the switch cabinet must be laid in such a way that it is adequately protected against mechanical damage.

PCB view:

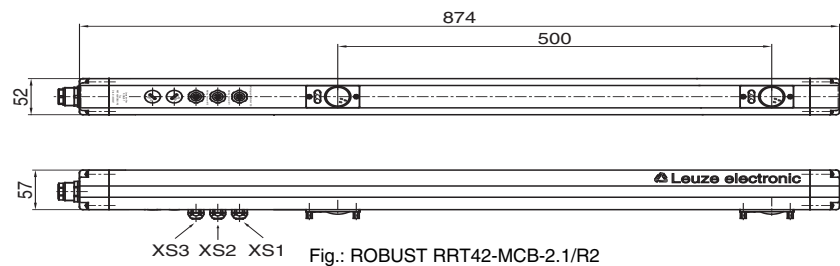


Connection assignment:

	Pin	Function	Comment	XS Assignment
X1	1	+ 24 V	Supply voltage	XS1 Pin4
	2	+ 24 V	bridged with pin 1 supply voltage	
	3	0 V		
	4	K1.1		XS1,2,3 Pin3
	5	K1.2		
	6	K2.1		
	7	K2.2		
X2	8	M1	Muting sensor output	XS2 Pin4
	9	M2	Muting sensor output	XS3, Pin4
	10	M3	Muting sensor output	
	11	M4	Muting sensor output	
	12	+ 24 V	Supply voltage of muting sensor	XS2 Pin1
	13	Start-Key		XS1 Pin2
	14	Muting lamp	for version with integrated indicator	
	15	Muting lamp	for external indicators	XS1 Pin1

Connections that are to be connected in muting operation with a jumper are identified with .

Dimensional Drawings



Technical Data

Safety classification	Type 4 according to EN 61496
Operating voltage	24 V DC +/- 15%
Residual ripple	< 10%
Power consumption (with RRT42)	(ohne Last) ca. 500 mA
VDE protection class	1
Protection level	IP 65
Weight	320 g + RRT42
Housing	Aluminium extruded profile
Colour	RAL 1021, no lead or cadmium content

Ordering information

Art. no	Type	Designation
909696	RRT42-MCB-2.1	Multiple Light Beam Safety Device, Transceiver