

# ROBUST RRT42.3-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 special version of the ROBUST has now been developed

### ROBUST RRT42.3-MCB-2.1

RRT42.3-MCB-2.1 with integrated signal lamp. 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 instruction ROBUST 42, 43, 44 (AOPD category 4).

## Features

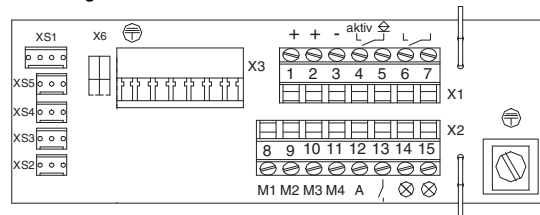
- M12 socket for muting signal lamp and on-the-spot start/restart button
- M12 sockets for muting sensors
- Only one cable required for connecting to the switch cabinet
- Large terminal compartment with pull-out terminal
- Compact profile with adjustable sliding blocks
- Parallel muting
- Activation 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 24V 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:

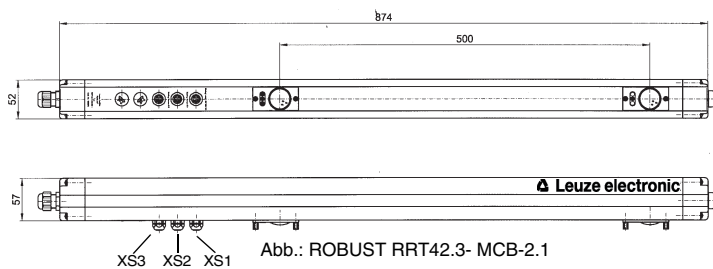


Connection assignment:

	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		XS1,2,3 Pin3
	4	K1.1		
	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 Drawing



## Technical Data

Safety classification	Category 4
Operating voltage	24V DC +/- 15%
Residual ripple	< 10%
Power consumption (with RRT42)	(ohne Last) ca. 600 mA
VDE protection class	1
Protection level	IP 65
Weight	320 g + RRT 42
Housing	Aluminium extruded profile
Colour	RAL 1021, no lead or cadmium content

## Ordering Information

Art. no.	Typ	Designation
909679	RRT42.3-MCB-2.1	Multiple Light Beam Safety Device, Transceiver