

# ROBUST RRT42.3-MCB2.1/R2




## 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

### ROBUST RRT42.3-MCB2.1/R2


ROBUST RRT42.3-MCB2.1/R2 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 instructions ROBUST 42, 43, 44 (AOPD category 4).

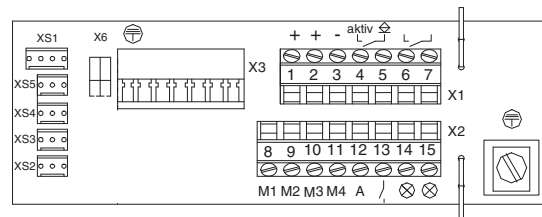
## Features

- 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 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:

Hirschmann plug N11 R		Function	Comment	XS Assignment
PIN	Connecting cable color			
1	brown	+ 24 V	Supply voltage	XS1, Pin4
2	pink	+ 24 V	Supply voltage	XS2, Pin1.
3	blue	0 V		XS1,2,3, Pin3
4	grey	K1.1		
5	black	K1.2		
6	orange	K2.1		
7	red	K2.2		
8	violett	M1	Muting sensor output	XS2 Pin4
9	white	M2	Muting sensor output	XS3 Pin4
10	beige	Start-Key		XS1 Pin2
11	clear	Muting lamp		XS1 Pin1
PE	green / yellow			

## Dimensional Drawings

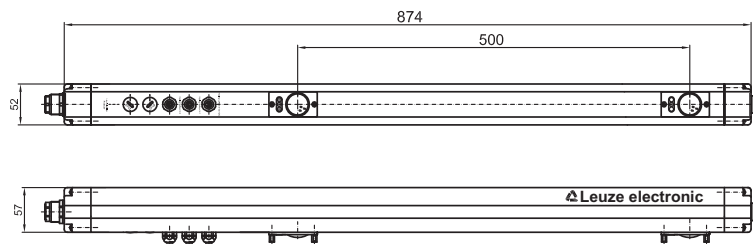


Fig.: RRT42.3-MCB2.1/R2

## Technical Data

Safety classification	Category 4
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.	Typ	Designation
909688	RRT42-MCB2.1/R2	Multiple Light Beam Safety Device, Transceiver