

# ROBUST RRT42-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-MCB2.1/R2

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).

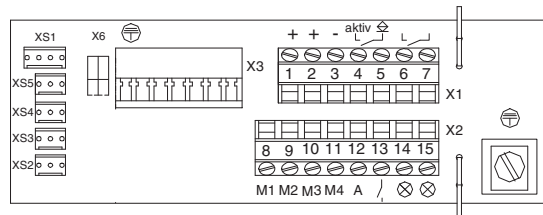
## Features

- Connection socket for muting signal lamp and on-the-spot start/restart button
- Connection socket 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.

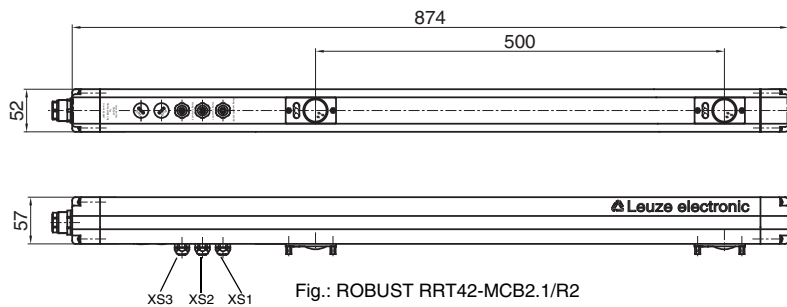
PCB view:



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



## 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                                    |
|----------|-----------------|--|
| 909687   | RRT42-MCB2.1/R2 | Multiple Light Beam Safety Device, Transceiver |