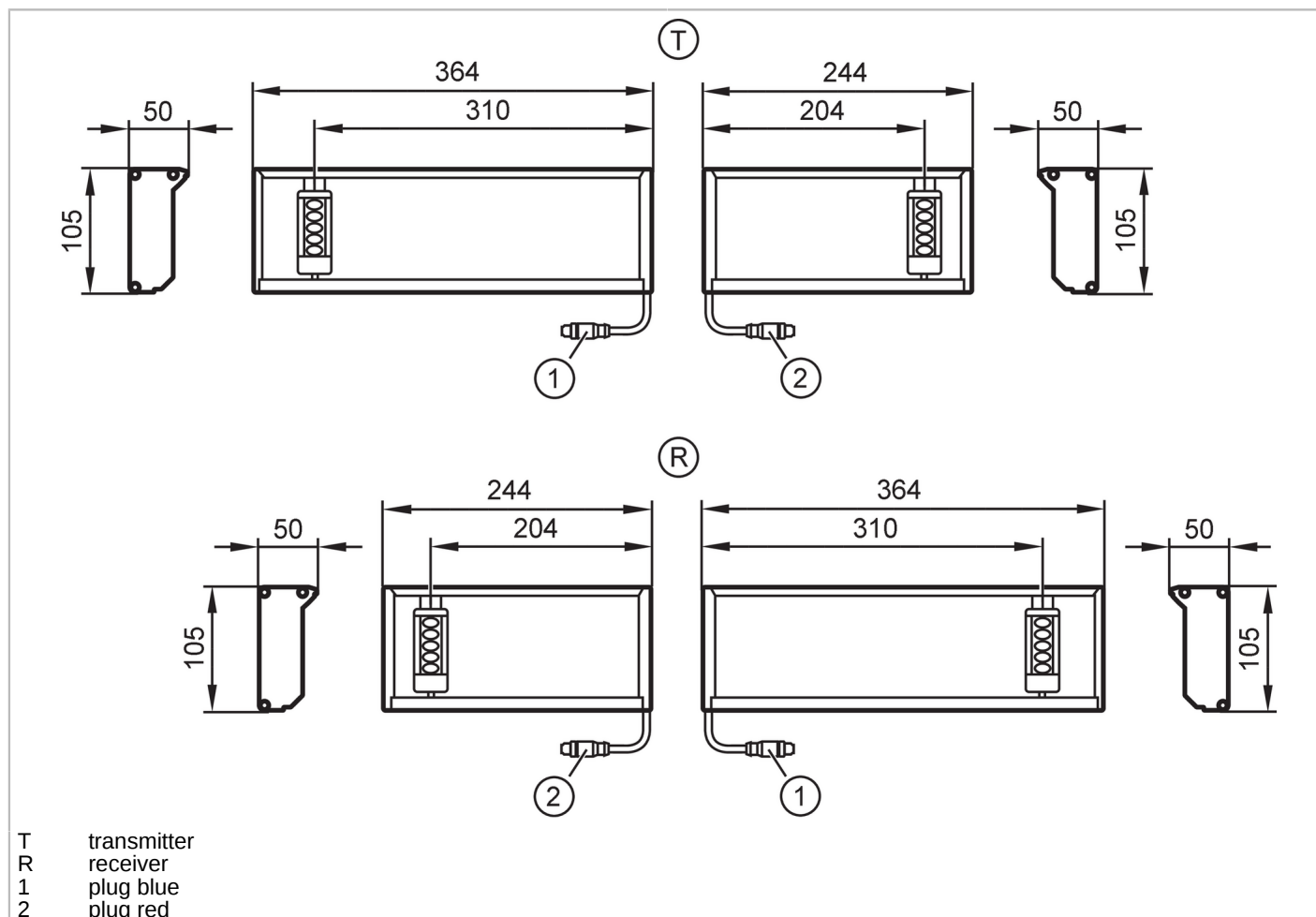


# EY5020



## Muting arm set

2X-THROUGH-MULTIBEAM-SENSORS



| Product characteristics               |                                                               |                |
|---------------------------------------|---------------------------------------------------------------|----------------|
| Type of light                         | Infrared light                                                |                |
| Application                           |                                                               |                |
| Design                                | crossbeam muting with two crossbeam multi-beam light barriers |                |
| Function principle                    | Through-beam sensor                                           |                |
| Electrical data                       |                                                               |                |
| Operating voltage                     | [V]                                                           | 19.2...28.8 DC |
| Current consumption                   | [mA]                                                          | 30             |
| Protection class                      |                                                               | III            |
| Reverse polarity protection           |                                                               | yes            |
| Type of light                         |                                                               | Infrared light |
| Wave length                           | [nm]                                                          | 940            |
| Outputs                               |                                                               |                |
| Electrical design                     |                                                               | PNP            |
| Output function                       |                                                               | dark-on mode   |
| Max. voltage drop switching output DC | [V]                                                           | 0.5            |

# EY5020



## Muting arm set

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|                                                      |     |
|------------------------------------------------------|-----|
| Permanent current rating of switching output DC [mA] | 100 |
| Short-circuit protection                             | yes |
| Overload protection                                  | yes |

### Monitoring range

|           |       |
|-----------|-------|
| Range [m] | < 3.5 |
|-----------|-------|

### Operating conditions

|                          |          |
|--------------------------|----------|
| Ambient temperature [°C] | -30...55 |
| Protection               | IP 65    |

### Tests / approvals

|     |              |
|-----|--------------|
| EMC | EN 60947-5-2 |
|-----|--------------|

### Mechanical data

|               |                         |
|---------------|-------------------------|
| Weight [g]    | 3540                    |
| Material      | aluminum; polypropylene |
| Lens material | polycarbonate-ABS       |

### Displays / operating elements

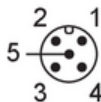
|         |             |                |
|---------|-------------|----------------|
| Display | transmitter | LED, yellow    |
|         | receiver    | LED, green/red |

### Remarks

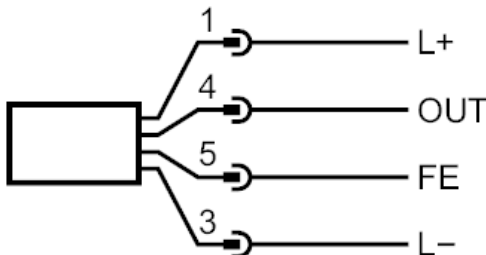
|               |        |
|---------------|--------|
| Pack quantity | 4 pcs. |
|---------------|--------|

### Electrical connection - receiver 1

Connector: 1 x M12; coding: A; Contacts: 5; Moulded body: blue



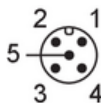
### Connection



4 OUT      Switching output

### Electrical connection - receiver 2

Connector: 1 x M12; coding: A; Contacts: 5; Moulded body: red

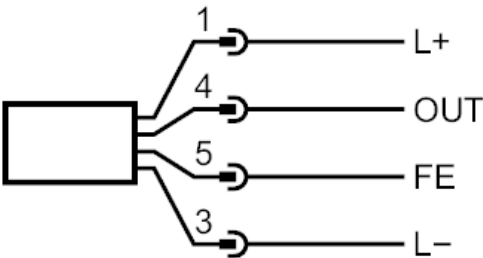




Muting arm set

2X-THROUGH-MULTIBEAM-SENSORS

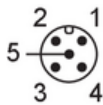
Connection



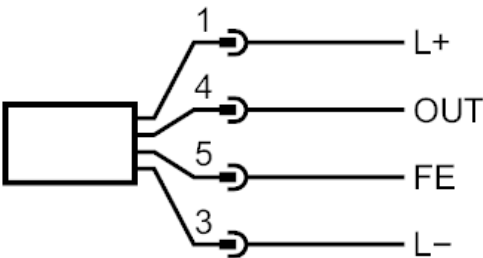
4 OUT      Switching output

Electrical connection - transmitter 1

Connector: 1 x M12; coding: A; Contacts: 5; Moulded body: blue



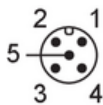
Connection



2 IN      Sync A

Electrical connection - transmitter 2

Connector: 1 x M12; coding: A; Contacts: 5; Moulded body: red

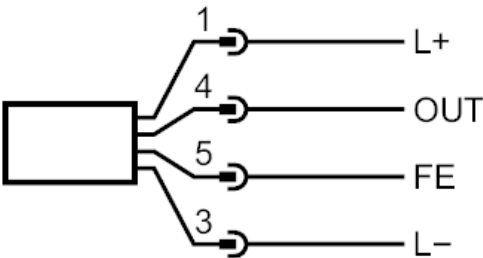




Muting arm set

2X-THROUGH-MULTIBEAM-SENSORS

Connection



2 IN                      Sync B