

ACCESSORIES

THE DIVERSITY KNOWS NO LIMITS

For all of our devices, we offer an extensive selection of accessory parts to help you benefit even more in your specific application area. Familiarize yourself with our offerings or let us advise you.

"Find the right accessories for every product. Features that have already become standard when shopping on the Internet are still often missing on industry websites. With our product selector at www.leuze.com, this is different. Here, you not only find exactly the right product but also all suitable accessories – sensor business can be this smart."

Gerd Eschenbächer,
Product Management –
Product Center Supplementary Products and Accessories



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Accessories



/ CONNECTION TECHNOLOGY

YOUR CONNECTION TO THE WORLD

Sensors are only as good as the options for integrating them in your controls. For this reason, we offer you an extensive selection of accessories, including everything from the cables, to the plugs to the optional connection box. You can easily find the right parts for your application.



/// Connection cables



Cables with open end, unshielded and shielded with various numbers of wires and various lengths for voltage supply and networks.



Direct access to the online product selector at www.leuze.com/en/a-cables

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Sheathing material | Shielded | Number of LEDs |
|----------|-----------------------|--------------------------------|-------------|--------------|--------------------|----------|----------------|
| 150677 | CB-M12-10000-5WM | Connector, M12, angled, male | 5-pin | 10,000 mm | PUR | No | |
| 150704 | CB-M12-3000-8WM | Connector, M12, angled, male | 8-pin | 3,000 mm | PUR | No | |
| 150699 | CB-M12-10000-8WM | Connector, M12, angled, male | 8-pin | 10,000 mm | PUR | No | |
| 50130683 | KD U-M12-3W-P1-020 | Connector, M12, angled, female | 3-pin | 2,000 mm | PUR | No | |
| 50130701 | KD U-M12-3W-P1-020-DP | Connector, M12, angled, female | 3-pin | 2,000 mm | PUR | No | 1x |
| 50130677 | KD U-M12-3W-V1-020 | Connector, M12, angled, female | 3-pin | 2,000 mm | PVC | No | |
| 50130696 | KD U-M12-3W-V1-020-DP | Connector, M12, angled, female | 3-pin | 2,000 mm | PVC | No | 1x |
| 50130684 | KD U-M12-3W-P1-030 | Connector, M12, angled, female | 3-pin | 3,000 mm | PUR | No | |
| 50130702 | KD U-M12-3W-P1-030-DP | Connector, M12, angled, female | 3-pin | 3,000 mm | PUR | No | 1x |
| 50130678 | KD U-M12-3W-V1-030 | Connector, M12, angled, female | 3-pin | 3,000 mm | PVC | No | |
| 50130697 | KD U-M12-3W-V1-030-DP | Connector, M12, angled, female | 3-pin | 3,000 mm | PVC | No | 1x |
| 50130685 | KD U-M12-3W-P1-050 | Connector, M12, angled, female | 3-pin | 5,000 mm | PUR | No | |
| 50130703 | KD U-M12-3W-P1-050-DP | Connector, M12, angled, female | 3-pin | 5,000 mm | PUR | No | 1x |
| 50130679 | KD U-M12-3W-V1-050 | Connector, M12, angled, female | 3-pin | 5,000 mm | PVC | No | |
| 50130698 | KD U-M12-3W-V1-050-DP | Connector, M12, angled, female | 3-pin | 5,000 mm | PVC | No | 1x |
| 50130687 | KD U-M12-3W-P1-100 | Connector, M12, angled, female | 3-pin | 10,000 mm | PUR | No | |
| 50130704 | KD U-M12-3W-P1-100-DP | Connector, M12, angled, female | 3-pin | 10,000 mm | PUR | No | 1x |
| 50130681 | KD U-M12-3W-V1-100 | Connector, M12, angled, female | 3-pin | 10,000 mm | PVC | No | |
| 50130699 | KD U-M12-3W-V1-100-DP | Connector, M12, angled, female | 3-pin | 10,000 mm | PVC | No | 1x |
| 50130705 | KD U-M12-3W-P1-150-DP | Connector, M12, angled, female | 3-pin | 15,000 mm | PUR | No | 1x |
| 50130700 | KD U-M12-3W-V1-150-DP | Connector, M12, angled, female | 3-pin | 15,000 mm | PVC | No | 1x |
| 50104571 | K-D M12W-4P-2m-FAB | Connector, M12, angled, female | 4-pin | 2,000 mm | FAB | No | |
| 50130728 | KD S-M12-4W-P1-020 | Connector, M12, angled, female | 4-pin | 2,000 mm | PUR | Yes | |

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Sheathing material | Shielded | Number of LEDs |
|----------|------------------------|--------------------------------|-------------|--------------|--------------------|----------|----------------|
| 50130692 | KD U-M12-4W-P1-020 | Connector, M12, angled, female | 4-pin | 2,000 mm | PUR | No | |
| 50130936 | KD U-M12-4W-P1-020-3DP | Connector, M12, angled, female | 4-pin | 2,000 mm | PUR | No | 3x |
| 50130718 | KD U-M12-4W-P1-020-DP | Connector, M12, angled, female | 4-pin | 2,000 mm | PUR | No | 1x |
| 50130688 | KD U-M12-4W-V1-020 | Connector, M12, angled, female | 4-pin | 2,000 mm | PVC | No | |
| 50130933 | KD U-M12-4W-V1-020-3DP | Connector, M12, angled, female | 4-pin | 2,000 mm | PVC | No | 3x |
| 50130706 | KD U-M12-4W-V1-020-DP | Connector, M12, angled, female | 4-pin | 2,000 mm | PVC | No | 1x |
| 50130693 | KD U-M12-4W-P1-030 | Connector, M12, angled, female | 4-pin | 3,000 mm | PUR | No | |
| 50130937 | KD U-M12-4W-P1-030-3DP | Connector, M12, angled, female | 4-pin | 3,000 mm | PUR | No | 3x |
| 50130719 | KD U-M12-4W-P1-030-DP | Connector, M12, angled, female | 4-pin | 3,000 mm | PUR | No | 1x |
| 50130689 | KD U-M12-4W-V1-030 | Connector, M12, angled, female | 4-pin | 3,000 mm | PVC | No | |
| 50130708 | KD U-M12-4W-V1-030-DP | Connector, M12, angled, female | 4-pin | 3,000 mm | PVC | No | 1x |
| 50104573 | K-D M12W-4P-5m-FAB | Connector, M12, angled, female | 4-pin | 5,000 mm | FAB | No | |
| 50130729 | KD S-M12-4W-P1-050 | Connector, M12, angled, female | 4-pin | 5,000 mm | PUR | Yes | |
| 50130694 | KD U-M12-4W-P1-050 | Connector, M12, angled, female | 4-pin | 5,000 mm | PUR | No | |
| 50130938 | KD U-M12-4W-P1-050-3DP | Connector, M12, angled, female | 4-pin | 5,000 mm | PUR | No | 3x |
| 50130720 | KD U-M12-4W-P1-050-DP | Connector, M12, angled, female | 4-pin | 5,000 mm | PUR | No | 1x |
| 50130690 | KD U-M12-4W-V1-050 | Connector, M12, angled, female | 4-pin | 5,000 mm | PVC | No | |
| 50130934 | KD U-M12-4W-V1-050-3DP | Connector, M12, angled, female | 4-pin | 5,000 mm | PVC | No | 3x |
| 50130709 | KD U-M12-4W-V1-050-DP | Connector, M12, angled, female | 4-pin | 5,000 mm | PVC | No | 1x |
| 50112961 | K-D M12W-4P-10m-FAB | Connector, M12, angled, female | 4-pin | 10,000 mm | FAB | No | |
| 50130730 | KD S-M12-4W-P1-100 | Connector, M12, angled, female | 4-pin | 10,000 mm | PUR | Yes | |
| 50130695 | KD U-M12-4W-P1-100 | Connector, M12, angled, female | 4-pin | 10,000 mm | PUR | No | |
| 50130939 | KD U-M12-4W-P1-100-3DP | Connector, M12, angled, female | 4-pin | 10,000 mm | PUR | No | 3x |
| 50130721 | KD U-M12-4W-P1-100-DP | Connector, M12, angled, female | 4-pin | 10,000 mm | PUR | No | 1x |
| 50130691 | KD U-M12-4W-V1-100 | Connector, M12, angled, female | 4-pin | 10,000 mm | PVC | No | |
| 50130935 | KD U-M12-4W-V1-100-3DP | Connector, M12, angled, female | 4-pin | 10,000 mm | PVC | No | 3x |
| 50130710 | KD U-M12-4W-V1-100-DP | Connector, M12, angled, female | 4-pin | 10,000 mm | PVC | No | 1x |
| 50130731 | KD S-M12-4W-P1-150 | Connector, M12, angled, female | 4-pin | 15,000 mm | PUR | Yes | |
| 50130940 | KD U-M12-4W-P1-150-3DP | Connector, M12, angled, female | 4-pin | 15,000 mm | PUR | No | 3x |
| 50113473 | K-D M12W-4P-20M-PVC | Connector, M12, angled, female | 4-pin | 20,000 mm | PVC | No | |
| 50104575 | K-D M12W-5P-2m-FAB | Connector, M12, angled, female | 5-pin | 2,000 mm | FAB | No | |
| 50104568 | K-D M12W-5P-2m-PUR | Connector, M12, angled, female | 5-pin | 2,000 mm | PUR | No | |
| 50104556 | K-D M12W-5P-2m-PVC | Connector, M12, angled, female | 5-pin | 2,000 mm | PVC | No | |
| 50104577 | K-D M12W-5P-5m-FAB | Connector, M12, angled, female | 5-pin | 5,000 mm | FAB | No | |
| 50104762 | K-D M12W-5P-5m-PUR | Connector, M12, angled, female | 5-pin | 5,000 mm | PUR | No | |
| 50104558 | K-D M12W-5P-5m-PVC | Connector, M12, angled, female | 5-pin | 5,000 mm | PVC | No | |
| 429074 | CB-M12-10000S-5WF | Connector, M12, angled, female | 5-pin | 10,000 mm | PUR | Yes | |
| 50104560 | K-D M12W-5P-10m-PVC | Connector, M12, angled, female | 5-pin | 10,000 mm | PVC | No | |
| 429076 | CB-M12-15000S-5WF | Connector, M12, angled, female | 5-pin | 15,000 mm | PUR | Yes | |
| 429172 | CB-M12-25000S-5WF | Connector, M12, angled, female | 5-pin | 25,000 mm | PUR | Yes | |
| 429082 | CB-M12-5000S-8WF | Connector, M12, angled, female | 8-pin | 5,000 mm | PUR | Yes | |
| 429084 | CB-M12-10000S-8WF | Connector, M12, angled, female | 8-pin | 10,000 mm | PUR | Yes | |
| 429086 | CB-M12-15000S-8WF | Connector, M12, angled, female | 8-pin | 15,000 mm | PUR | Yes | |
| 429182 | CB-M12-25000S-8WF | Connector, M12, angled, female | 8-pin | 25,000 mm | PUR | Yes | |
| 150717 | CB-M12-2000-5GM | Connector, M12, axial, male | 5-pin | 2,000 mm | PUR | No | |
| 50101941 | KB-008-3000 A-S | Connector, M12, axial, male | 5-pin | 3,000 mm | PUR | Yes | |
| 150718 | CB-M12-5000-5GM | Connector, M12, axial, male | 5-pin | 5,000 mm | PUR | No | |
| 678050 | CB-M12-5000E-5GM | Connector, M12, axial, male | 5-pin | 5,000 mm | PUR | No | |
| 678051 | CB-M12-10000E-5GM | Connector, M12, axial, male | 5-pin | 10,000 mm | PUR | Yes | |
| 50102971 | KB 008-10000 A-S | Connector, M12, axial, male | 5-pin | 10,000 mm | PUR | Yes | |
| 678052 | CB-M12-15000E-5GM | Connector, M12, axial, male | 5-pin | 15,000 mm | PUR | Yes | |
| 678053 | CB-M12-25000E-5GM | Connector, M12, axial, male | 5-pin | 25,000 mm | PUR | Yes | |
| 50110178 | KB M12/8-1000-SA | Connector, M12, axial, male | 8-pin | 1,000 mm | PUR | No | |
| 50110179 | KB M12/8-2000-SA | Connector, M12, axial, male | 8-pin | 2,000 mm | PUR | No | |
| 50110180 | KB M12/8-5000-SA | Connector, M12, axial, male | 8-pin | 5,000 mm | PUR | No | |
| 50110181 | KB M12/8-10000-SA | Connector, M12, axial, male | 8-pin | 10,000 mm | PUR | No | |
| 50110186 | KB M12/8-15000-SA | Connector, M12, axial, male | 8-pin | 15,000 mm | PUR | No | |
| 50110189 | KB M12/8-30000-SA | Connector, M12, axial, male | 8-pin | 30,000 mm | PUR | No | |
| 50130643 | KD U-M12-3A-P1-020 | Connector, M12, axial, female | 3-pin | 2,000 mm | PUR | No | |
| 50130664 | KD U-M12-3A-P1-020-DP | Connector, M12, axial, female | 3-pin | 2,000 mm | PUR | No | 1x |
| 50130636 | KD U-M12-3A-V1-020 | Connector, M12, axial, female | 3-pin | 2,000 mm | PVC | No | |
| 50130659 | KD U-M12-3A-V1-020-DP | Connector, M12, axial, female | 3-pin | 2,000 mm | PVC | No | 1x |
| 50130644 | KD U-M12-3A-P1-030 | Connector, M12, axial, female | 3-pin | 3,000 mm | PUR | No | |
| 50130665 | KD U-M12-3A-P1-030-DP | Connector, M12, axial, female | 3-pin | 3,000 mm | PUR | No | 1x |
| 50130637 | KD U-M12-3A-V1-030 | Connector, M12, axial, female | 3-pin | 3,000 mm | PVC | No | |
| 50130660 | KD U-M12-3A-V1-030-DP | Connector, M12, axial, female | 3-pin | 3,000 mm | PVC | No | 1x |

Switching
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Measuring
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Products for
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Identification

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Control components

Industrial image
processing

Accessories

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Sheathing material | Shielded | Number of LEDs |
|----------|-----------------------|-------------------------------|-------------|--------------|--------------------|----------|----------------|
| 50130645 | KD U-M12-3A-P1-050 | Connector, M12, axial, female | 3-pin | 5,000 mm | PUR | No | |
| 50130666 | KD U-M12-3A-P1-050-DP | Connector, M12, axial, female | 3-pin | 5,000 mm | PUR | No | 1x |
| 50130638 | KD U-M12-3A-V1-050 | Connector, M12, axial, female | 3-pin | 5,000 mm | PVC | No | |
| 50130661 | KD U-M12-3A-V1-050-DP | Connector, M12, axial, female | 3-pin | 5,000 mm | PVC | No | 1x |
| 50130646 | KD U-M12-3A-P1-100 | Connector, M12, axial, female | 3-pin | 10,000 mm | PUR | No | |
| 50130667 | KD U-M12-3A-P1-100-DP | Connector, M12, axial, female | 3-pin | 10,000 mm | PUR | No | 1x |
| 50130639 | KD U-M12-3A-V1-100 | Connector, M12, axial, female | 3-pin | 10,000 mm | PVC | No | |
| 50130663 | KD U-M12-3A-V1-100-DP | Connector, M12, axial, female | 3-pin | 10,000 mm | PVC | No | 1x |
| | | | | | | | |
| 50104570 | K-D M12A-4P-2m-FAB | Connector, M12, axial, female | 4-pin | 2,000 mm | FAB | No | |
| 50130725 | KD S-M12-4A-P1-020 | Connector, M12, axial, female | 4-pin | 2,000 mm | PUR | Yes | |
| 50130654 | KD U-M12-4A-P1-020 | Connector, M12, axial, female | 4-pin | 2,000 mm | PUR | No | |
| 50130672 | KD U-M12-4A-P1-020-DP | Connector, M12, axial, female | 4-pin | 2,000 mm | PUR | No | 1x |
| 50130722 | KD S-M12-4A-V1-020 | Connector, M12, axial, female | 4-pin | 2,000 mm | PVC | Yes | |
| 50130648 | KD U-M12-4A-V1-020 | Connector, M12, axial, female | 4-pin | 2,000 mm | PVC | No | |
| 50130668 | KD U-M12-4A-V1-020-DP | Connector, M12, axial, female | 4-pin | 2,000 mm | PVC | No | 1x |
| 50130656 | KD U-M12-4A-P1-030 | Connector, M12, axial, female | 4-pin | 3,000 mm | PUR | No | |
| 50130674 | KD U-M12-4A-P1-030-DP | Connector, M12, axial, female | 4-pin | 3,000 mm | PUR | No | 1x |
| 50130651 | KD U-M12-4A-V1-030 | Connector, M12, axial, female | 4-pin | 3,000 mm | PVC | No | |
| 50131063 | KD U-M12-4A-V1-030-DP | Connector, M12, axial, female | 4-pin | 3,000 mm | PVC | No | 1x |
| 50104572 | K-D M12A-4P-5m-FAB | Connector, M12, axial, female | 4-pin | 5,000 mm | FAB | No | |
| 50130726 | KD S-M12-4A-P1-050 | Connector, M12, axial, female | 4-pin | 5,000 mm | PUR | Yes | |
| 50130657 | KD U-M12-4A-P1-050 | Connector, M12, axial, female | 4-pin | 5,000 mm | PUR | No | |
| 50130675 | KD U-M12-4A-P1-050-DP | Connector, M12, axial, female | 4-pin | 5,000 mm | PUR | No | 1x |
| 50130723 | KD S-M12-4A-V1-050 | Connector, M12, axial, female | 4-pin | 5,000 mm | PVC | Yes | |
| 50130652 | KD U-M12-4A-V1-050 | Connector, M12, axial, female | 4-pin | 5,000 mm | PVC | No | |
| 50130670 | KD U-M12-4A-V1-050-DP | Connector, M12, axial, female | 4-pin | 5,000 mm | PVC | No | 1x |
| 50112960 | K-D M12A-4P-10m-FAB | Connector, M12, axial, female | 4-pin | 10,000 mm | FAB | No | |
| 50130727 | KD S-M12-4A-P1-100 | Connector, M12, axial, female | 4-pin | 10,000 mm | PUR | Yes | |
| 50130658 | KD U-M12-4A-P1-100 | Connector, M12, axial, female | 4-pin | 10,000 mm | PUR | No | |
| 50130676 | KD U-M12-4A-P1-100-DP | Connector, M12, axial, female | 4-pin | 10,000 mm | PUR | No | 1x |
| 50130724 | KD S-M12-4A-V1-100 | Connector, M12, axial, female | 4-pin | 10,000 mm | PVC | Yes | |
| 50130653 | KD U-M12-4A-V1-100 | Connector, M12, axial, female | 4-pin | 10,000 mm | PVC | No | |
| 50130671 | KD U-M12-4A-V1-100-DP | Connector, M12, axial, female | 4-pin | 10,000 mm | PVC | No | 1x |
| 50104753 | K-D M12A-4P-20m-PVC | Connector, M12, axial, female | 4-pin | 20,000 mm | PVC | No | |
| 50123846 | CB-M12-25000E-4GF-PUR | Connector, M12, axial, female | 4-pin | 25,000 mm | PUR | Yes | |
| 50123532 | K-D M12A-4P-30m-PVC | Connector, M12, axial, female | 4-pin | 30,000 mm | PVC | No | |
| | | | | | | | |
| 50104574 | K-D M12A-5P-2m-FAB | Connector, M12, axial, female | 5-pin | 2,000 mm | FAB | No | |
| 50104567 | K-D M12A-5P-2m-PUR | Connector, M12, axial, female | 5-pin | 2,000 mm | PUR | No | |
| 50104555 | K-D M12A-5P-2m-PVC | Connector, M12, axial, female | 5-pin | 2,000 mm | PVC | No | |
| 50040757 | KB 008-3000 A | Connector, M12, axial, female | 5-pin | 3,000 mm | PUR | Yes | |
| 50104576 | K-D M12A-5P-5m-FAB | Connector, M12, axial, female | 5-pin | 5,000 mm | FAB | No | |
| 678055 | CB-M12-5000E-5GF | Connector, M12, axial, female | 5-pin | 5,000 mm | PUR | Yes | |
| 50104569 | K-D M12A-5P-5m-PUR | Connector, M12, axial, female | 5-pin | 5,000 mm | PUR | No | |
| 50104557 | K-D M12A-5P-5m-PVC | Connector, M12, axial, female | 5-pin | 5,000 mm | PVC | No | |
| 429280 | CB-M12-10000-5GF | Connector, M12, axial, female | 5-pin | 10,000 mm | PUR | No | |
| 678056 | CB-M12-10000E-5GF | Connector, M12, axial, female | 5-pin | 10,000 mm | PUR | Yes | |
| 50102975 | KB 008-10000 A | Connector, M12, axial, female | 5-pin | 10,000 mm | PUR | Yes | |
| 50104559 | K-D M12A-5P-10m-PVC | Connector, M12, axial, female | 5-pin | 10,000 mm | PVC | No | |
| 678057 | CB-M12-15000E-5GF | Connector, M12, axial, female | 5-pin | 15,000 mm | PUR | Yes | |
| 678058 | CB-M12-25000E-5GF | Connector, M12, axial, female | 5-pin | 25,000 mm | PUR | Yes | |
| 50129553 | CB-M12-30000E-5GF | Connector, M12, axial, female | 5-pin | 30,000 mm | PUR | Yes | |
| 50120949 | K-D M12A-5P-30m-PVC | Connector, M12, axial, female | 5-pin | 30,000 mm | PVC | No | |
| 429281 | CB-M12-50000-5GF | Connector, M12, axial, female | 5-pin | 50,000 mm | PUR | No | |
| 678059 | CB-M12-50000E-5GF | Connector, M12, axial, female | 5-pin | 50,000 mm | PUR | No | |
| | | | | | | | |
| 50110170 | KB M12/8-1000-BA | Connector, M12, axial, female | 8-pin | 1,000 mm | PUR | No | |
| 50104591 | K-D M12A-8P-2m-PUR | Connector, M12, axial, female | 8-pin | 2,000 mm | PUR | No | |
| 50110171 | KB M12/8-2000-BA | Connector, M12, axial, female | 8-pin | 2,000 mm | PUR | No | |
| 429285 | CB-M12-5000-8GF | Connector, M12, axial, female | 8-pin | 5,000 mm | PUR | No | |
| 678060 | CB-M12-5000E-8GF | Connector, M12, axial, female | 8-pin | 5,000 mm | PUR | Yes | |
| 50104590 | K-D M12A-8P-5m-PUR | Connector, M12, axial, female | 8-pin | 5,000 mm | PUR | No | |
| 50110172 | KB M12/8-5000-BA | Connector, M12, axial, female | 8-pin | 5,000 mm | PUR | No | |
| 429286 | CB-M12-10000-8GF | Connector, M12, axial, female | 8-pin | 10,000 mm | PUR | No | |
| 678061 | CB-M12-10000E-8GF | Connector, M12, axial, female | 8-pin | 10,000 mm | PUR | Yes | |
| 50106882 | K-D M12A-8P-10m-PUR | Connector, M12, axial, female | 8-pin | 10,000 mm | PUR | No | |
| 50110173 | KB M12/8-10000-BA | Connector, M12, axial, female | 8-pin | 10,000 mm | PUR | No | |
| 429287 | CB-M12-15000-8GF | Connector, M12, axial, female | 8-pin | 15,000 mm | PUR | No | |
| 678062 | CB-M12-15000E-8GF | Connector, M12, axial, female | 8-pin | 15,000 mm | PUR | Yes | |
| 429288 | CB-M12-25000-8GF | Connector, M12, axial, female | 8-pin | 25,000 mm | PUR | No | |

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Sheathing material | Shielded | Number of LEDs |
|----------|----------------------|-------------------------------|-------------|--------------|--------------------|----------|----------------|
| 678063 | CB-M12-25000E-8GF | Connector, M12, axial, female | 8-pin | 25,000 mm | PUR | Yes | |
| 50110177 | KB M12/8-30000-BA | Connector, M12, axial, female | 8-pin | 30,000 mm | PUR | No | |
| 429289 | CB-M12-50000-8GF | Connector, M12, axial, female | 8-pin | 50,000 mm | PUR | No | |
| 678064 | CB-M12-50000E-8GF | Connector, M12, axial, female | 8-pin | 50,000 mm | PUR | Yes | |
| 50130281 | KD S-M12-CA-P1-020 | Connector, M12, axial, female | 12-pin | 2,000 mm | PUR | Yes | |
| 50130282 | KD S-M12-CA-P1-050 | Connector, M12, axial, female | 12-pin | 5,000 mm | PUR | Yes | |
| 50130283 | KD S-M12-CA-P1-100 | Connector, M12, axial, female | 12-pin | 10,000 mm | PUR | Yes | |
| 50130865 | KD U-M8-3W-P1-020 | Connector, M8, angled, female | 3-pin | 2,000 mm | PUR | No | |
| 50130893 | KD U-M8-3W-P1-020-DP | Connector, M8, angled, female | 3-pin | 2,000 mm | PUR | No | 1x |
| 50130860 | KD U-M8-3W-V1-020 | Connector, M8, angled, female | 3-pin | 2,000 mm | PVC | No | |
| 50130889 | KD U-M8-3W-V1-020-DP | Connector, M8, angled, female | 3-pin | 2,000 mm | PVC | No | 1x |
| 50130866 | KD U-M8-3W-P1-030 | Connector, M8, angled, female | 3-pin | 3,000 mm | PUR | No | |
| 50130894 | KD U-M8-3W-P1-030-DP | Connector, M8, angled, female | 3-pin | 3,000 mm | PUR | No | 1x |
| 50130861 | KD U-M8-3W-V1-030 | Connector, M8, angled, female | 3-pin | 3,000 mm | PVC | No | |
| 50130890 | KD U-M8-3W-V1-030-DP | Connector, M8, angled, female | 3-pin | 3,000 mm | PVC | No | 1x |
| 50130867 | KD U-M8-3W-P1-050 | Connector, M8, angled, female | 3-pin | 5,000 mm | PUR | No | |
| 50130895 | KD U-M8-3W-P1-050-DP | Connector, M8, angled, female | 3-pin | 5,000 mm | PUR | No | 1x |
| 50130862 | KD U-M8-3W-V1-050 | Connector, M8, angled, female | 3-pin | 5,000 mm | PVC | No | |
| 50130891 | KD U-M8-3W-V1-050-DP | Connector, M8, angled, female | 3-pin | 5,000 mm | PVC | No | 1x |
| 50130868 | KD U-M8-3W-P1-100 | Connector, M8, angled, female | 3-pin | 10,000 mm | PUR | No | |
| 50130896 | KD U-M8-3W-P1-100-DP | Connector, M8, angled, female | 3-pin | 10,000 mm | PUR | No | 1x |
| 50110559 | K-D M8W-3P-10M-PVC | Connector, M8, angled, female | 3-pin | 10,000 mm | PVC | No | |
| 50130863 | KD U-M8-3W-V1-100 | Connector, M8, angled, female | 3-pin | 10,000 mm | PVC | No | |
| 50130892 | KD U-M8-3W-V1-100-DP | Connector, M8, angled, female | 3-pin | 10,000 mm | PVC | No | 1x |
| 50130998 | KD U-M8-3W-P1-200 | Connector, M8, angled, female | 3-pin | 20,000 mm | PUR | No | |
| 50130864 | KD U-M8-3W-V1-200 | Connector, M8, angled, female | 3-pin | 20,000 mm | PVC | No | |
| 50106154 | K-D M8W-4P-2m-FAB | Connector, M8, angled, female | 4-pin | 2,000 mm | FAB | No | |
| 50130873 | KD U-M8-4W-P1-020 | Connector, M8, angled, female | 4-pin | 2,000 mm | PUR | No | |
| 50130880 | KD U-M8-4W-P1-020-DP | Connector, M8, angled, female | 4-pin | 2,000 mm | PUR | No | 1x |
| 50130869 | KD U-M8-4W-V1-020 | Connector, M8, angled, female | 4-pin | 2,000 mm | PVC | No | |
| 50130877 | KD U-M8-4W-V1-020-DP | Connector, M8, angled, female | 4-pin | 2,000 mm | PVC | No | 1x |
| 50130874 | KD U-M8-4W-P1-030 | Connector, M8, angled, female | 4-pin | 3,000 mm | PUR | No | |
| 50130870 | KD U-M8-4W-V1-030 | Connector, M8, angled, female | 4-pin | 3,000 mm | PVC | No | |
| 50106155 | K-D M8W-4P-5m-FAB | Connector, M8, angled, female | 4-pin | 5,000 mm | FAB | No | |
| 50130875 | KD U-M8-4W-P1-050 | Connector, M8, angled, female | 4-pin | 5,000 mm | PUR | No | |
| 50130881 | KD U-M8-4W-P1-050-DP | Connector, M8, angled, female | 4-pin | 5,000 mm | PUR | No | 1x |
| 50130871 | KD U-M8-4W-V1-050 | Connector, M8, angled, female | 4-pin | 5,000 mm | PVC | No | |
| 50130878 | KD U-M8-4W-V1-050-DP | Connector, M8, angled, female | 4-pin | 5,000 mm | PVC | No | 1x |
| 50110273 | K-D M8W-4P-10m-FAB | Connector, M8, angled, female | 4-pin | 10,000 mm | FAB | No | |
| 50130876 | KD U-M8-4W-P1-100 | Connector, M8, angled, female | 4-pin | 10,000 mm | PUR | No | |
| 50130882 | KD U-M8-4W-P1-100-DP | Connector, M8, angled, female | 4-pin | 10,000 mm | PUR | No | 1x |
| 50130872 | KD U-M8-4W-V1-100 | Connector, M8, angled, female | 4-pin | 10,000 mm | PVC | No | |
| 50130879 | KD U-M8-4W-V1-100-DP | Connector, M8, angled, female | 4-pin | 10,000 mm | PVC | No | 1x |
| 50130829 | KS U-M8-3A-P1-020 | Connector, M8, axial, male | 3-pin | 2,000 mm | PUR | No | |
| 50130831 | KS U-M8-3A-P1-050 | Connector, M8, axial, male | 3-pin | 5,000 mm | PUR | No | |
| 50130833 | KS U-M8-3A-P1-100 | Connector, M8, axial, male | 3-pin | 10,000 mm | PUR | No | |
| 50130834 | KS U-M8-4A-P1-020 | Connector, M8, axial, male | 4-pin | 2,000 mm | PUR | No | |
| 50130835 | KS U-M8-4A-P1-050 | Connector, M8, axial, male | 4-pin | 5,000 mm | PUR | No | |
| 50130836 | KS U-M8-4A-P1-100 | Connector, M8, axial, male | 4-pin | 10,000 mm | PUR | No | |
| 50130842 | KD U-M8-3A-P1-020 | Connector, M8, axial, female | 3-pin | 2,000 mm | PUR | No | |
| 50130886 | KD U-M8-3A-P1-020-DP | Connector, M8, axial, female | 3-pin | 2,000 mm | PUR | No | 1x |
| 50104520 | K-D M8A-3P-2m-PVC | Connector, M8, axial, female | 3-pin | 2,000 mm | PVC | No | |
| 50130837 | KD U-M8-3A-V1-020 | Connector, M8, axial, female | 3-pin | 2,000 mm | PVC | No | |
| 50130883 | KD U-M8-3A-V1-020-DP | Connector, M8, axial, female | 3-pin | 2,000 mm | PVC | No | 1x |
| 50130843 | KD U-M8-3A-P1-030 | Connector, M8, axial, female | 3-pin | 3,000 mm | PUR | No | |
| 50130838 | KD U-M8-3A-V1-030 | Connector, M8, axial, female | 3-pin | 3,000 mm | PVC | No | |
| 50130844 | KD U-M8-3A-P1-050 | Connector, M8, axial, female | 3-pin | 5,000 mm | PUR | No | |
| 50130832 | KD U-M8-3A-V1-050 | Connector, M8, axial, female | 3-pin | 5,000 mm | PVC | No | |
| 50130845 | KD U-M8-3A-P1-100 | Connector, M8, axial, female | 3-pin | 10,000 mm | PUR | No | |
| 50110556 | K-D M8A-3P-10M-PVC | Connector, M8, axial, female | 3-pin | 10,000 mm | PVC | No | |
| 50130839 | KD U-M8-3A-V1-100 | Connector, M8, axial, female | 3-pin | 10,000 mm | PVC | No | |
| 50130846 | KD U-M8-3A-P1-150 | Connector, M8, axial, female | 3-pin | 15,000 mm | PUR | No | |
| 50130840 | KD U-M8-3A-V1-150 | Connector, M8, axial, female | 3-pin | 15,000 mm | PVC | No | |
| 50130847 | KD U-M8-3A-P1-200 | Connector, M8, axial, female | 3-pin | 20,000 mm | PUR | No | |
| 50130841 | KD U-M8-3A-V1-200 | Connector, M8, axial, female | 3-pin | 20,000 mm | PVC | No | |

Switching
sensorsMeasuring
sensorsProducts for
safety at work

Identification

Data transmission /
Control componentsIndustrial image
processing

Accessories

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Sheathing material | Shielded | Number of LEDs |
|----------|----------------------|------------------------------|-------------|--------------|--------------------|----------|----------------|
| 50106152 | K-D M8A-4P-2m-FAB | Connector, M8, axial, female | 4-pin | 2,000 mm | FAB | No | |
| 50130854 | KD U-M8-4A-P1-020 | Connector, M8, axial, female | 4-pin | 2,000 mm | PUR | No | |
| 50130848 | KD U-M8-4A-V1-020 | Connector, M8, axial, female | 4-pin | 2,000 mm | PVC | No | |
| 50130855 | KD U-M8-4A-P1-030 | Connector, M8, axial, female | 4-pin | 3,000 mm | PUR | No | |
| 50130849 | KD U-M8-4A-V1-030 | Connector, M8, axial, female | 4-pin | 3,000 mm | PVC | No | |
| 50106153 | K-D M8A-4P-5m-FAB | Connector, M8, axial, female | 4-pin | 5,000 mm | FAB | No | |
| 50130887 | KD U-M8-3A-P1-050-DP | Connector, M8, axial, female | 4-pin | 5,000 mm | PUR | No | 1x |
| 50130856 | KD U-M8-4A-P1-050 | Connector, M8, axial, female | 4-pin | 5,000 mm | PUR | No | |
| 50130884 | KD U-M8-3A-V1-050-DP | Connector, M8, axial, female | 4-pin | 5,000 mm | PVC | No | 1x |
| 50130850 | KD U-M8-4A-V1-050 | Connector, M8, axial, female | 4-pin | 5,000 mm | PVC | No | |
| 50110274 | K-D M8A-4P-10m-FAB | Connector, M8, axial, female | 4-pin | 10,000 mm | FAB | No | |
| 50130888 | KD U-M8-3A-P1-100-DP | Connector, M8, axial, female | 4-pin | 10,000 mm | PUR | No | 1x |
| 50130857 | KD U-M8-4A-P1-100 | Connector, M8, axial, female | 4-pin | 10,000 mm | PUR | No | |
| 50130885 | KD U-M8-3A-V1-100-DP | Connector, M8, axial, female | 4-pin | 10,000 mm | PVC | No | 1x |
| 50130851 | KD U-M8-4A-V1-100 | Connector, M8, axial, female | 4-pin | 10,000 mm | PVC | No | |
| 50130858 | KD U-M8-4A-P1-150 | Connector, M8, axial, female | 4-pin | 15,000 mm | PUR | No | |
| 50130852 | KD U-M8-4A-V1-150 | Connector, M8, axial, female | 4-pin | 15,000 mm | PVC | No | |
| 50130859 | KD U-M8-4A-P1-200 | Connector, M8, axial, female | 4-pin | 20,000 mm | PUR | No | |
| 50115424 | K-D M8A-4P-20m-PVC | Connector, M8, axial, female | 4-pin | 20,000 mm | PVC | No | |
| 50130853 | KD U-M8-4A-V1-200 | Connector, M8, axial, female | 4-pin | 20,000 mm | PVC | No | |

CANopen / DeviceNet

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Interface | Sheathing material |
|----------|--------------------|-------------------------------|-------------|--------------|--------------------|--------------------|
| 50114693 | KB DN/CAN-2000 SA | Connector, M12, axial, male | 5-pin | 2,000 mm | CANopen, DeviceNet | PUR |
| 50114697 | KB DN/CAN-5000 SA | Connector, M12, axial, male | 5-pin | 5,000 mm | CANopen, DeviceNet | PUR |
| 50114700 | KB DN/CAN-10000 SA | Connector, M12, axial, male | 5-pin | 10,000 mm | CANopen, DeviceNet | PUR |
| 50114702 | KB DN/CAN-30000 SA | Connector, M12, axial, male | 5-pin | 30,000 mm | CANopen, DeviceNet | PUR |
| 50114692 | KB DN/CAN-2000 BA | Connector, M12, axial, female | 5-pin | 2,000 mm | CANopen, DeviceNet | PUR |
| 50114696 | KB DN/CAN-5000 BA | Connector, M12, axial, female | 5-pin | 5,000 mm | CANopen, DeviceNet | PUR |
| 50114699 | KB DN/CAN-10000 BA | Connector, M12, axial, female | 5-pin | 10,000 mm | CANopen, DeviceNet | PUR |
| 50114701 | KB DN/CAN-30000 BA | Connector, M12, axial, female | 5-pin | 30,000 mm | CANopen, DeviceNet | PUR |

Ethernet

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Interface | Sheathing material |
|----------|------------------|-----------------------------|-------------|--------------|-----------|--------------------|
| 50106739 | KB ET-2000-SA | Connector, M12, axial, male | 4-pin | 2,000 mm | Ethernet | PUR |
| 50106740 | KB ET-5000-SA | Connector, M12, axial, male | 4-pin | 5,000 mm | Ethernet | PUR |
| 50106741 | KB ET-10000-SA | Connector, M12, axial, male | 4-pin | 10,000 mm | Ethernet | PUR |
| 50106742 | KB ET-15000-SA | Connector, M12, axial, male | 4-pin | 15,000 mm | Ethernet | PUR |
| 50106746 | KB ET-30000-SA | Connector, M12, axial, male | 4-pin | 30,000 mm | Ethernet | PUR |

Interbus-S

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Interface | Sheathing material |
|----------|---------------------|-------------------------------|-------------|--------------|-----------------|--------------------|
| 50108595 | KB IBS-2000-SA | Connector, M12, axial, male | 5-pin | 2,000 mm | Interbus-S | PUR |
| 50108596 | KB IBS-5000-SA | Connector, M12, axial, male | 5-pin | 5,000 mm | Interbus-S | PUR |
| 50108597 | KB IBS-10000-SA | Connector, M12, axial, male | 5-pin | 10,000 mm | Interbus-S | PUR |
| 50108598 | KB IBS-15000-SA | Connector, M12, axial, male | 5-pin | 15,000 mm | Interbus-S | PUR |
| 50108601 | KB IBS-30000-SA | Connector, M12, axial, male | 5-pin | 30,000 mm | Interbus-S | PUR |
| 50104172 | KB SSI/IBS-2000-BA | Connector, M12, axial, female | 5-pin | 2,000 mm | SSI, Interbus-S | PUR |
| 50104171 | KB SSI/IBS-5000-BA | Connector, M12, axial, female | 5-pin | 5,000 mm | SSI, Interbus-S | PUR |
| 50104170 | KB SSI/IBS-10000-BA | Connector, M12, axial, female | 5-pin | 10,000 mm | SSI, Interbus-S | PUR |
| 50104169 | KB SSI/IBS-15000-BA | Connector, M12, axial, female | 5-pin | 15,000 mm | SSI, Interbus-S | PUR |
| 50108446 | KB SSI/IBS-30000-BA | Connector, M12, axial, female | 5-pin | 30,000 mm | SSI, Interbus-S | PUR |

PROFIBUS DP

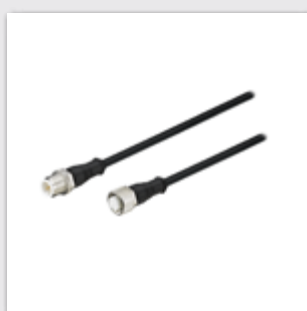
| Part no. | Part description | Connection 1 | No. of pins | Cable length | Interface | Sheathing material |
|----------|------------------|-----------------------------|-------------|--------------|-------------|--------------------|
| 50104188 | KB PB-2000-SA | Connector, M12, axial, male | 5-pin | 2,000 mm | PROFIBUS DP | PUR |
| 50104187 | KB PB-5000-SA | Connector, M12, axial, male | 5-pin | 5,000 mm | PROFIBUS DP | PUR |
| 50104186 | KB PB-10000-SA | Connector, M12, axial, male | 5-pin | 10,000 mm | PROFIBUS DP | PUR |

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Interface | Sheathing material |
|----------|------------------|-------------------------------|-------------|--------------|-------------|--------------------|
| 50104185 | KB PB-15000-SA | Connector, M12, axial, male | 5-pin | 15,000 mm | PROFIBUS DP | PUR |
| 50104182 | KB PB-30000-SA | Connector, M12, axial, male | 5-pin | 30,000 mm | PROFIBUS DP | PUR |
| 50104181 | KB PB-2000-BA | Connector, M12, axial, female | 5-pin | 2,000 mm | PROFIBUS DP | PUR |
| 50104180 | KB PB-5000-BA | Connector, M12, axial, female | 5-pin | 5,000 mm | PROFIBUS DP | PUR |
| 50104179 | KB PB-10000-BA | Connector, M12, axial, female | 5-pin | 10,000 mm | PROFIBUS DP | PUR |
| 50104178 | KB PB-15000-BA | Connector, M12, axial, female | 5-pin | 15,000 mm | PROFIBUS DP | PUR |
| 50104175 | KB PB-30000-BA | Connector, M12, axial, female | 5-pin | 30,000 mm | PROFIBUS DP | PUR |

SSI

| Part no. | Part description | Connection 1 | No. of pins | Cable length | Interface | Sheathing material |
|----------|--------------------|-------------------------------|-------------|--------------|-----------------|--------------------|
| 50104172 | KB SSI/BS-2000-BA | Connector, M12, axial, female | 5-pin | 2,000 mm | SSI, Interbus-S | PUR |
| 50104171 | KB SSI/BS-5000-BA | Connector, M12, axial, female | 5-pin | 5,000 mm | SSI, Interbus-S | PUR |
| 50104170 | KB SSI/BS-10000-BA | Connector, M12, axial, female | 5-pin | 10,000 mm | SSI, Interbus-S | PUR |
| 50104169 | KB SSI/BS-15000-BA | Connector, M12, axial, female | 5-pin | 15,000 mm | SSI, Interbus-S | PUR |
| 50108446 | KB SSI/BS-30000-BA | Connector, M12, axial, female | 5-pin | 30,000 mm | SSI, Interbus-S | PUR |

/// Interconnection cables



Cables with connectors on both ends, unshielded and shielded with various numbers of wires and various lengths as well as service cables for networks.



Direct access to the online product selector at www.leuze.com/en/c-cables

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Connection 2, no. of pins | Cable length | Sheathing material | Shielded |
|----------|--------------------------------|--------------------------------|---------------------------|------------------------------|---------------------------|--------------|--------------------|----------|
| 50130745 | KDS U-M12-3W-M12-3A-P1-006 | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 600 mm | PUR | No |
| 50130768 | KDS U-M12-3W-M12-3A-P1-006-DP | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 600 mm | PUR | No |
| 50130746 | KDS U-M12-3W-M12-3A-P1-010 | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 1,000 mm | PUR | No |
| 50130769 | KDS U-M12-3W-M12-3A-P1-010-DP | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 1,000 mm | PUR | No |
| 50130747 | KDS U-M12-3W-M12-3A-P1-020 | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 2,000 mm | PUR | No |
| 50130770 | KDS U-M12-3W-M12-3A-P1-020-DP | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 2,000 mm | PUR | No |
| 50130748 | KDS U-M12-3W-M12-3A-P1-030 | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 3,000 mm | PUR | No |
| 50130771 | KDS U-M12-3W-M12-3A-P1-030-DP | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 3,000 mm | PUR | No |
| 50130749 | KDS U-M12-3W-M12-3A-P1-050 | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 5,000 mm | PUR | No |
| 50130772 | KDS U-M12-3W-M12-3A-P1-050-DP | Connector, M12, angled, female | 3-pin | Connector, M12, axial, male | 3-pin | 5,000 mm | PUR | No |
| 50130941 | KDS U-M12-4W-M12-4A-P1-006-3DP | Connector, M12, angled, female | 4-pin | Connector, M12, axial, male | 4-pin | 600 mm | PUR | No |
| 50130942 | KDS U-M12-4W-M12-4A-P1-010-3DP | Connector, M12, angled, female | 4-pin | Connector, M12, axial, male | 4-pin | 1,000 mm | PUR | No |
| 50130943 | KDS U-M12-4W-M12-4A-P1-015-3DP | Connector, M12, angled, female | 4-pin | Connector, M12, axial, male | 4-pin | 1,500 mm | PUR | No |
| 50130944 | KDS U-M12-4W-M12-4A-P1-020-3DP | Connector, M12, angled, female | 4-pin | Connector, M12, axial, male | 4-pin | 2,000 mm | PUR | No |
| 50130945 | KDS U-M12-4W-M12-4A-P1-030-3DP | Connector, M12, angled, female | 4-pin | Connector, M12, axial, male | 4-pin | 3,000 mm | PUR | No |
| 50130946 | KDS U-M12-4W-M12-4A-P1-050-3DP | Connector, M12, angled, female | 4-pin | Connector, M12, axial, male | 4-pin | 5,000 mm | PUR | No |
| 50107276 | K-DS M8A-M12A-4P-0,3m-PVC | Connector, M12, axial, male | 4-pin | Connector, M8, axial, female | 4-pin | 300 mm | PVC | No |
| 50130927 | KDS U-M8-3A-M12-3A-P1-003 | Connector, M12, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 300 mm | PUR | No |
| 50130928 | KDS U-M8-3A-M12-3A-P1-006 | Connector, M12, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 600 mm | PUR | No |
| 50130732 | KDS U-M12-3A-M12-3A-P1-006 | Connector, M12, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 600 mm | PUR | No |
| 50130733 | KDS U-M12-3A-M12-3A-P1-010 | Connector, M12, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 1,000 mm | PUR | No |
| 150680 | CB-M12-1500-3GF/GM | Connector, M12, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 1,500 mm | PUR | No |
| 150681 | CB-M12-1500-3GF/MM | Connector, M12, axial, female | 3-pin | Connector, M12, angled, male | 3-pin | 1,500 mm | PUR | No |
| 50130930 | KDS U-M8-3A-M12-3A-P1-015 | Connector, M12, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,500 mm | PUR | No |
| 50130931 | KDS U-M8-3A-M12-3A-P1-020 | Connector, M12, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 2,000 mm | PUR | No |
| 50130734 | KDS U-M12-3A-M12-3A-P1-020 | Connector, M12, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 2,000 mm | PUR | No |
| 50130735 | KDS U-M12-3A-M12-3A-P1-030 | Connector, M12, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 3,000 mm | PUR | No |
| 150682 | CB-M12-5000-3GF/GM | Connector, M12, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 5,000 mm | PUR | No |

Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

Industrial image processing

Accessories

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Connection 2, no. of pins | Cable length | Sheathing material | Shielded |
|----------|-------------------------------|-------------------------------|---------------------------|------------------------------|---------------------------|--------------|--------------------|----------|
| 150683 | CB-M12-5000-3GF/WM | Connector, M12, axial, female | 3-pin | Connector, M12, angled, male | 3-pin | 5,000 mm | PUR | No |
| 50130932 | KDS U-M8-3A-M8-3A-P1-050 | Connector, M12, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 5,000 mm | PUR | No |
| 50130736 | KDS U-M12-3A-M12-3A-P1-050 | Connector, M12, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 5,000 mm | PUR | No |
| 150684 | CB-M12-15000-3GF/GM | Connector, M12, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 15,000 mm | PUR | No |
| 150685 | CB-M12-15000-3GF/WM | Connector, M12, axial, female | 3-pin | Connector, M12, angled, male | 3-pin | 15,000 mm | PUR | No |
| 50130737 | KDS U-M12-4A-M12-4A-P1-003 | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 300 mm | PUR | No |
| 50130762 | KDS U-M12-4A-M12-4A-P1-003-DP | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 300 mm | PUR | No |
| 50130756 | KDS U-M12-4A-M12-4W-P1-003 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 300 mm | PUR | No |
| 50116738 | K-DS M12A-M8A-4P-Q,3m-PVC | Connector, M12, axial, female | 4-pin | Connector, M8, axial, male | 4-pin | 300 mm | PVC | No |
| 50130750 | KDS U-M12-4A-M12-4W-V1-003 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 300 mm | PVC | No |
| 50130738 | KDS U-M12-4A-M12-4A-P1-006 | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 600 mm | PUR | No |
| 50130763 | KDS U-M12-4A-M12-4A-P1-006-DP | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 600 mm | PUR | No |
| 50130757 | KDS U-M12-4A-M12-4W-P1-006 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 600 mm | PUR | No |
| 50130751 | KDS U-M12-4A-M12-4W-V1-006 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 600 mm | PVC | No |
| 50130739 | KDS U-M12-4A-M12-4A-P1-010 | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 1,000 mm | PUR | No |
| 50130764 | KDS U-M12-4A-M12-4A-P1-010-DP | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 1,000 mm | PUR | No |
| 50130758 | KDS U-M12-4A-M12-4W-P1-010 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 1,000 mm | PUR | No |
| 50130752 | KDS U-M12-4A-M12-4W-V1-010 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 1,000 mm | PVC | No |
| 50130740 | KDS U-M12-4A-M12-4A-P1-015 | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 1,500 mm | PUR | No |
| 50130741 | KDS U-M12-4A-M12-4A-P1-020 | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 2,000 mm | PUR | No |
| 50130765 | KDS U-M12-4A-M12-4A-P1-020-DP | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 2,000 mm | PUR | No |
| 50130759 | KDS U-M12-4A-M12-4W-P1-020 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 2,000 mm | PUR | No |
| 50130753 | KDS U-M12-4A-M12-4W-V1-020 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 2,000 mm | PVC | No |
| 50130742 | KDS U-M12-4A-M12-4A-P1-030 | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 3,000 mm | PUR | No |
| 50130766 | KDS U-M12-4A-M12-4A-P1-030-DP | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 3,000 mm | PUR | No |
| 50130760 | KDS U-M12-4A-M12-4W-P1-030 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 3,000 mm | PUR | No |
| 50130754 | KDS U-M12-4A-M12-4W-V1-030 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 3,000 mm | PVC | No |
| 50130743 | KDS U-M12-4A-M12-4A-P1-050 | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 5,000 mm | PUR | No |
| 50130767 | KDS U-M12-4A-M12-4A-P1-050-DP | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 5,000 mm | PUR | No |
| 50130761 | KDS U-M12-4A-M12-4W-P1-050 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 5,000 mm | PUR | No |
| 50130755 | KDS U-M12-4A-M12-4W-V1-050 | Connector, M12, axial, female | 4-pin | Connector, M12, angled, male | 4-pin | 5,000 mm | PVC | No |
| 50130744 | KDS U-M12-4A-M12-4A-P1-100 | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 10,000 mm | PUR | No |
| 548100 | CB-M12-25000S-4GF/GM | Connector, M12, axial, female | 4-pin | Connector, M12, axial, male | 4-pin | 25,000 mm | PUR | No |
| 548361 | CB-M12-1000-5GF/GM | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 1,000 mm | PUR | No |
| 50040763 | KB-008-1000 AA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 1,000 mm | PUR | Yes |
| 50040760 | KB-008-1000 AR | Connector, M12, axial, female | 5-pin | Connector, M12, angled, male | 5-pin | 1,000 mm | PUR | Yes |
| 548362 | CB-M12-2000-5GF/GM | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 2,000 mm | PUR | No |
| 50040759 | KB-008-2000 AR | Connector, M12, axial, female | 5-pin | Connector, M12, angled, male | 5-pin | 2,000 mm | PUR | Yes |
| 50115049 | K-DS M12A-MA-5P-3m-S-PUR | Connector, M12, axial, female | 5-pin | JST ZHR | | 3,000 mm | PUR | No |
| 50040761 | KB-008-3000 AA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 3,000 mm | PUR | Yes |
| 50120999 | K-DS M12A-8P-4P-2m-L-PUR | Connector, M12, axial, female | 8-pin | Connector, M12, axial, male | 4-pin | 2,000 mm | PUR | No |
| 50037543 | KB 034-2000 | Connector, M12, axial, female | 8-pin | Connector, M12, axial, male | 8-pin | 2,000 mm | PVC | Yes |
| 50115050 | K-DS M12A-MA-8P-3m-S-PUR | Connector, M12, axial, female | 8-pin | JST ZHR | | 3,000 mm | PUR | No |
| 50121000 | K-DS M12A-8P-4P-5m-L-PUR | Connector, M12, axial, female | 8-pin | Connector, M12, axial, male | 4-pin | 5,000 mm | PUR | No |
| 50130284 | KDS S-M12-CA-M12-CA-P1-020 | Connector, M12, axial, female | 12-pin | Connector, M12, axial, male | 12-pin | 2,000 mm | PUR | Yes |
| 50130285 | KDS S-M12-CA-M12-CA-P1-050 | Connector, M12, axial, female | 12-pin | Connector, M12, axial, male | 12-pin | 5,000 mm | PUR | Yes |
| 50130286 | KDS S-M12-CA-M12-CA-P1-100 | Connector, M12, axial, female | 12-pin | Connector, M12, axial, male | 12-pin | 10,000 mm | PUR | Yes |
| 50130917 | KDS U-M8-3W-M8-3A-P1-003 | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 300 mm | PUR | No |
| 50130921 | KDS U-M8-3W-M8-3A-P1-003-DP | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 300 mm | PUR | No |
| 50130918 | KDS U-M8-3W-M8-3A-P1-006 | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 600 mm | PUR | No |
| 50130922 | KDS U-M8-3W-M8-3A-P1-006-DP | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 600 mm | PUR | No |
| 50130919 | KDS U-M8-3W-M8-3A-P1-010 | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,000 mm | PUR | No |
| 50130923 | KDS U-M8-3W-M8-3A-P1-010-DP | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,000 mm | PUR | No |
| 50130925 | KDS U-M8-3W-M8-3A-P1-015-DP | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,500 mm | PUR | No |
| 50130920 | KDS U-M8-3W-M8-3A-P1-020 | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 2,000 mm | PUR | No |
| 50130926 | KDS U-M8-3W-M8-3A-P1-020-DP | Connector, M8, angled, female | 3-pin | Connector, M8, axial, male | 3-pin | 2,000 mm | PUR | No |
| 50130901 | KDS U-M8-3A-M8-3A-P1-003 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 300 mm | PUR | No |
| 50130908 | KDS U-M8-3A-M8-3A-P1-003-DP | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 300 mm | PUR | No |
| 50130897 | KDS U-M8-3A-M8-3A-V1-003 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 300 mm | PVC | No |
| 50130902 | KDS U-M8-3A-M8-3A-P1-006 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 600 mm | PUR | No |
| 50130909 | KDS U-M8-3A-M8-3A-P1-006-DP | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 600 mm | PUR | No |
| 50130898 | KDS U-M8-3A-M8-3A-V1-006 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 600 mm | PVC | No |
| 50130903 | KDS U-M8-3A-M8-3A-P1-010 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,000 mm | PUR | No |
| 50130910 | KDS U-M8-3A-M8-3A-P1-010-DP | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,000 mm | PUR | No |

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Connection 2, no. of pins | Cable length | Sheathing material | Shielded |
|----------|-----------------------------|------------------------------|------------------------------|-----------------------------|------------------------------|--------------|--------------------|----------|
| 50130929 | KDS U-M8-3A-M12-3A-P1-010 | Connector, M8, axial, female | 3-pin | Connector, M12, axial, male | 3-pin | 1,000 mm | PUR | No |
| 50130899 | KDS U-M8-3A-M8-3A-V1-010 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,000 mm | PVC | No |
| 50130904 | KDS U-M8-3A-M8-3A-P1-015 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,500 mm | PUR | No |
| 50130911 | KDS U-M8-3A-M8-3A-P1-015-DP | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 1,500 mm | PUR | No |
| 50130905 | KDS U-M8-3A-M8-3A-P1-020 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 2,000 mm | PUR | No |
| 50130912 | KDS U-M8-3A-M8-3A-P1-020-DP | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 2,000 mm | PUR | No |
| 50130900 | KDS U-M8-3A-M8-3A-V1-020 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 2,000 mm | PVC | No |
| 50130906 | KDS U-M8-3A-M8-3A-P1-030 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 3,000 mm | PUR | No |
| 50130907 | KDS U-M8-3A-M8-3A-P1-050 | Connector, M8, axial, female | 3-pin | Connector, M8, axial, male | 3-pin | 5,000 mm | PUR | No |
| 50130913 | KDS U-M8-4A-M8-4A-P1-003 | Connector, M8, axial, female | 4-pin | Connector, M8, axial, male | 4-pin | 300 mm | PUR | No |
| 50130914 | KDS U-M8-4A-M8-4A-P1-006 | Connector, M8, axial, female | 4-pin | Connector, M8, axial, male | 4-pin | 600 mm | PUR | No |
| 50130915 | KDS U-M8-4A-M8-4A-P1-010 | Connector, M8, axial, female | 4-pin | Connector, M8, axial, male | 4-pin | 1,000 mm | PUR | No |
| 50130916 | KDS U-M8-4A-M8-4A-P1-020 | Connector, M8, axial, female | 4-pin | Connector, M8, axial, male | 4-pin | 2,000 mm | PUR | No |

Switching
sensors

CANopen / DeviceNet

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Connection 2, no. of pins | Cable length | Interface | Sheathing material |
|----------|-----------------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|--------------|-----------------------------|--------------------|
| 50114691 | KB DN/CAN-1000 SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 1,000 mm | DeviceNet, CANopen | PUR |
| 50129779 | KDS DN-M12-5A-M12-5A-P3-010 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 1,000 mm | IO-Link, DeviceNet, CANopen | PUR |
| 50114694 | KB DN/CAN-2000 SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 2,000 mm | DeviceNet, CANopen | PUR |
| 50129780 | KDS DN-M12-5A-M12-5A-P3-020 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 2,000 mm | IO-Link, DeviceNet, CANopen | PUR |
| 50114698 | KB DN/CAN-5000 SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 5,000 mm | DeviceNet, CANopen | PUR |
| 50129781 | KDS DN-M12-5A-M12-5A-P3-050 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 5,000 mm | IO-Link, DeviceNet, CANopen | PUR |
| 50122338 | KB DN/CAN-10000 SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 10,000 mm | DeviceNet, CANopen | PUR |
| 50129782 | KDS DN-M12-5A-M12-5A-P3-100 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 10,000 mm | IO-Link, DeviceNet, CANopen | PUR |
| 50122339 | KB DN/CAN-20000 SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 20,000 mm | CANopen, DeviceNet | PUR |
| 50129783 | KDS DN-M12-5A-M12-5A-P3-200 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 20,000 mm | IO-Link, DeviceNet, CANopen | PUR |

Measuring
sensorsProducts for
safety at work

Identification

Ethernet

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Connection 2, no. of pins | Cable length | Interface | Sheathing material |
|----------|-----------------------------|-----------------------------|------------------------------|-----------------------------|------------------------------|--------------|-----------|--------------------|
| 50130631 | KSS ET-M12-4A-M12-4A-P7-010 | Connector, M12, axial, male | 4-pin | Connector, M12, axial, male | 4-pin | 1,000 mm | Ethernet | PUR |
| 50130632 | KSS ET-M12-4A-RJ45-A-P7-010 | Connector, M12, axial, male | 4-pin | RJ45 | | 1,000 mm | Ethernet | PUR |
| 50109880 | KB ET-2000-SA-RJ45 | Connector, M12, axial, male | 4-pin | RJ45 | | 2,000 mm | Ethernet | PUR |
| 50106899 | KB ET-2000-SSA | Connector, M12, axial, male | 4-pin | Connector, M12, axial, male | 4-pin | 2,000 mm | Ethernet | PUR |
| 50109881 | KB ET-5000-SA-RJ45 | Connector, M12, axial, male | 4-pin | RJ45 | | 5,000 mm | Ethernet | PUR |
| 50106900 | KB ET-5000-SSA | Connector, M12, axial, male | 4-pin | Connector, M12, axial, male | 4-pin | 5,000 mm | Ethernet | PUR |
| 50109882 | KB ET-10000-SA-RJ45 | Connector, M12, axial, male | 4-pin | RJ45 | | 10,000 mm | Ethernet | PUR |
| 50106901 | KB ET-10000-SSA | Connector, M12, axial, male | 4-pin | Connector, M12, axial, male | 4-pin | 10,000 mm | Ethernet | PUR |
| 50109883 | KB ET-15000-SA-RJ45 | Connector, M12, axial, male | 4-pin | RJ45 | | 15,000 mm | Ethernet | PUR |
| 50106902 | KB ET-15000-SSA | Connector, M12, axial, male | 4-pin | Connector, M12, axial, male | 4-pin | 15,000 mm | Ethernet | PUR |
| 50109886 | KB ET-30000-SA-RJ45 | Connector, M12, axial, male | 4-pin | RJ45 | | 30,000 mm | Ethernet | PUR |
| 50106905 | KB ET-30000-SSA | Connector, M12, axial, male | 4-pin | Connector, M12, axial, male | 4-pin | 30,000 mm | Ethernet | PUR |

Data transmission /
Control componentsIndustrial image
processing

Accessories

IO-Link

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Connection 2, | Cable length | Interface | Sheathing material |
|----------|-----------------------------|-------------------------------|------------------------------|-----------------------------|---------------|--------------|-----------------------------|--------------------|
| 50129779 | KDS DN-M12-5A-M12-5A-P3-010 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 1,000 mm | IO-Link, DeviceNet, CANopen | PUR |
| 50129780 | KDS DN-M12-5A-M12-5A-P3-020 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 2,000 mm | IO-Link, DeviceNet, CANopen | PUR |
| 50129781 | KDS DN-M12-5A-M12-5A-P3-050 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 5,000 mm | IO-Link, DeviceNet, CANopen | PUR |
| 50129782 | KDS DN-M12-5A-M12-5A-P3-100 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 10,000 mm | IO-Link, DeviceNet, CANopen | PUR |
| 50129783 | KDS DN-M12-5A-M12-5A-P3-200 | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 20,000 mm | IO-Link, DeviceNet, CANopen | PUR |

Interbus-S

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Cable length | Interface | Sheathing material |
|----------|--------------------|-------------------------------|------------------------------|--------------|--------------|-----------------|--------------------|
| 50104172 | KB SSI/IBS-2000-BA | Connector, M12, axial, female | 5-pin | Open end | 2,000 mm | SSI, Interbus-S | PUR |

PROFIBUS DP

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Connection 2, no. of pins | Cable length | Interface | Sheathing material |
|----------|------------------|-------------------------------|------------------------------|-----------------------------|------------------------------|--------------|-------------|--------------------|
| 50104096 | KB PB-1000-SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 1,000 mm | PROFIBUS DP | PUR |
| 50104097 | KB PB-2000-SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 2,000 mm | PROFIBUS DP | PUR |
| 50104098 | KB PB-5000-SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 5,000 mm | PROFIBUS DP | PUR |
| 50104099 | KB PB-10000-SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 10,000 mm | PROFIBUS DP | PUR |
| 50104100 | KB PB-15000-SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 15,000 mm | PROFIBUS DP | PUR |
| 50104173 | KB PB-30000-SBA | Connector, M12, axial, female | 5-pin | Connector, M12, axial, male | 5-pin | 30,000 mm | PROFIBUS DP | PUR |

RS 232

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Cable length | Interface | Sheathing material |
|----------|---------------------|-------------------------------|------------------------------|--------------------|--------------|-----------|--------------------|
| 50113396 | KB DSub-9P-3000 | Sub-D, male, axial | 9-pin | Sub-D, male, axial | 3,000 mm | RS 232 | PVC |
| 50113467 | KB JST-M12A-5P-3000 | Connector, M12, axial, female | 5-pin | JST ZHR | 3,000 mm | RS 232 | PUR |
| 50114571 | KB 301-3000 | Socket connector | | JST ZHR | 3,000 mm | RS 232 | PVC |
| 50120463 | KB 301-3000-MA200 | Socket connector | | JST ZHR | 3,000 mm | RS 232 | PVC |
| 50128318 | KB 301-10000 | Socket connector | | JST ZHR | 10,000 mm | RS 232 | PVC |

SSI

| Part no. | Part description | Connection 1 | Connection 1, no. of pins | Connection 2 | Cable length | Interface | Sheathing material |
|----------|--------------------|-------------------------------|------------------------------|------------------|--------------|-----------------|--------------------|
| 50104172 | KB SSI/IBS-2000-BA | Connector, M12, axial, female | 5-pin | Open end | 2,000 mm | SSI, Interbus-S | PUR |
| 50126132 | KB 307-3000 | Socket connector | | Socket connector | 3,000 mm | SSI | PVC |

USB

| Part no. | Part description | Connection 1 | Connection 2 | Cable length | Interface | Sheathing material |
|----------|----------------------|--------------|--------------|--------------|-----------|--------------------|
| 50117011 | KB USB A - USB miniB | USB | USB | 1,500 mm | USB | PVC |
| 50107726 | KB USB A - USB A | USB | USB | 1,800 mm | USB | PVC |

/// User-configurable connectors



User-configurable connectors as plugs (male) or sockets (female) for configuration at the system.



Direct access to the online product selector at www.leuze.com/en/connectors

| Part no. | Part description | Connection | No. of pins | Interface |
|----------|------------------|--------------------------------|-------------|----------------------------|
| 50108991 | D-ET1 | RJ45 | | Ethernet |
| 50104582 | D M8A-3P-SK | Connector, M8, axial, female | 3-pin | |
| 50104583 | D M8A-4P-SK | Connector, M8, axial, female | 4-pin | |
| 50031323 | KD 095-4A | Connector, M12, axial, female | 4-pin | |
| 429175 | CB-M12-5GF | Connector, M12, axial, female | 5-pin | |
| 50040097 | KD 01-5-BA | Connector, M12, axial, female | 5-pin | |
| 50020501 | KD 095-5A | Connector, M12, axial, female | 5-pin | |
| 50081461 | KD 095-5A-PG9 | Connector, M12, axial, female | 5-pin | |
| 50038538 | KD 02-5-BA | Connector, M12, axial, female | 5-pin | PROFIBUS DP, multiNet Plus |
| 429178 | CB-M12-8GF | Connector, M12, axial, female | 8-pin | |
| 50112157 | KD 01-8-BA | Connector, M12, axial, female | 8-pin | |
| 50040155 | KS 095-4A | Connector, M12, axial, male | 4-pin | |
| 50112155 | S-M12A-ET | Connector, M12, axial, male | 4-pin | Ethernet |
| 50040098 | KD 01-5-SA | Connector, M12, axial, male | 5-pin | |
| 50114223 | KS 095-5A | Connector, M12, axial, male | 5-pin | |
| 50038537 | KD 02-5-SA | Connector, M12, axial, male | 5-pin | PROFIBUS DP, multiNet Plus |
| 50112156 | KD 01-8-SA | Connector, M12, axial, male | 8-pin | |
| 50031324 | KD 095-4 | Connector, M12, angled, female | 4-pin | |
| 50020502 | KD 095-5 | Connector, M12, angled, female | 5-pin | |
| 50101943 | KD 01-5-SR | Connector, M12, angled, male | 5-pin | |
| 426046 | AC-LDH-12GF | Connector, M26, axial, female | 12-pin | |
| 426045 | AC-LDH-12WF | Connector, M26, angled, female | 12-pin | |
| 520083 | AC-D15E-GF | Sub-D, male, axial | 15-pin | |

Further connectors can be found on our website

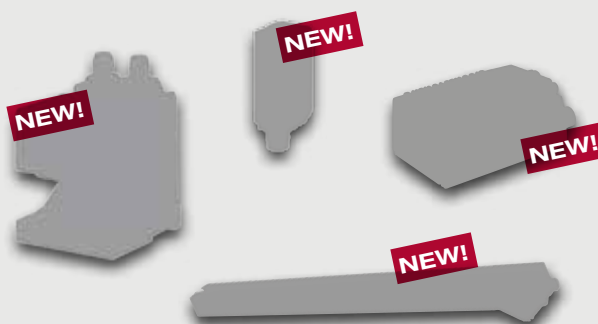
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Accessories

/// Distribution boxes



Sensor distribution box for smart infrastructure for voltage supply and signal collection with M8 and M12 ports.



Direct access to the online product selector at www.leuze.com/en/distrib-boxes

| Part no. | Part description | Distribution box connections | Distribution box | Master connection | Switching element | Degree of protection |
|----------|-----------------------|------------------------------|-----------------------------|---------------------------------------|-------------------|----------------------|
| 50130610 | MD 7XXP-11-42I05-12 | 4x | M12, 5-pin, A-coded, female | Connector, M12, 12-pin, A-coded, male | PNP | IP 67, IP 65 |
| 50130606 | MD 7XXP-11-42I05-13 | 4x | M12, 5-pin, A-coded, female | Connector, M23, 12-pin, A-coded, male | PNP | IP 67, IP 65 |
| 50130994 | MD 7XXP-11-82I05-FK | 8x | M12, 5-pin, A-coded, female | Terminal, 21-pin | PNP | IP 67, IP 65 |
| 50130603 | MD 7XXP-11-82I05-K030 | 8x | M12, 5-pin, A-coded, female | Cable, 3,000 mm, 19-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130604 | MD 7XXP-11-82I05-K050 | 8x | M12, 5-pin, A-coded, female | Cable, 5,000 mm, 19-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130605 | MD 7XXP-11-82I05-K100 | 8x | M12, 5-pin, A-coded, female | Cable, 10,000 mm, 19-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130608 | MD 7XXP-11-82I05-13 | 8x | M12, 5-pin, A-coded, female | Connector, M23, 19-pin, A-coded, male | PNP | IP 67, IP 65 |
| 50130600 | MD 7XXP-11-82I04-K030 | 8x | M12, 4-pin, A-coded, female | Cable, 3,000 mm, 11-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130601 | MD 7XXP-11-82I04-K050 | 8x | M12, 4-pin, A-coded, female | Cable, 5,000 mm, 11-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130602 | MD 7XXP-11-82I04-K100 | 8x | M12, 4-pin, A-coded, female | Cable, 10,000 mm, 11-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130611 | MD 7XXP-11-82I04-12 | 8x | M12, 4-pin, A-coded, female | Connector, M12, 12-pin, A-coded, male | PNP | IP 67, IP 65 |
| 50130607 | MD 7XXP-11-82I04-13 | 8x | M12, 4-pin, A-coded, female | Connector, M23, 12-pin, A-coded, male | PNP | IP 67, IP 65 |
| 50130594 | MD 7XXP-11-48I03-K030 | 4x | M8, 3-pin, A-coded, female | Cable, 3,000 mm, 6-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130595 | MD 7XXP-11-48I03-K050 | 4x | M8, 3-pin, A-coded, female | Cable, 5,000 mm, 6-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130596 | MD 7XXP-11-48I03-K100 | 4x | M8, 3-pin, A-coded, female | Cable, 10,000 mm, 6-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130592 | MD 7XXP-11-48I03-12 | 4x | M8, 3-pin, A-coded, female | Connector, M12, 12-pin, A-coded, male | PNP | IP 67, IP 65 |
| 50130593 | MD 7XXP-11-68I03-12 | 6x | M8, 3-pin, A-coded, female | Connector, M12, 12-pin, A-coded, male | PNP | IP 67, IP 65 |
| 50130597 | MD 7XXP-11-88I03-K030 | 8x | M8, 3-pin, A-coded, female | Cable, 3,000 mm, 10-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130598 | MD 7XXP-11-88I03-K050 | 8x | M8, 3-pin, A-coded, female | Cable, 5,000 mm, 10-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130599 | MD 7XXP-11-88I03-K100 | 8x | M8, 3-pin, A-coded, female | Cable, 10,000 mm, 10-wire, PUR / PVC | PNP | IP 67, IP 65 |
| 50130990 | MD 7XXP-11-88I03-12 | 8x | M8, 3-pin, A-coded, female | Connector, M12, 12-pin, A-coded, male | PNP | IP 67, IP 65 |
| 50130993 | MD 7XXP-11-108I03-12 | 10x | M8, 3-pin, A-coded, female | Connector, M12, 12-pin, A-coded, male | PNP | IP 67, IP 65 |

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/ MOUNTING SYSTEMS

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Switching
sensorsMeasuring
sensors

/// Mounting brackets



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Products for
safety at work

Identification

| Part no. | Part description | Suitable for | Design | Fastening at device | Fastening at system | Material |
|----------|------------------|---|----------------|---------------------|-----------------------|-----------------|
| 50105585 | BT 3.1 | 3B series sensors | Retaining clip | Screw type | Through-hole mounting | Metal |
| 50111830 | BT 3.5 | 3B series sensors | Retaining clip | Screw type | Through-hole mounting | Metal |
| 50103844 | BT 3.2 | 3B series sensors | Mounting plate | Screw type | Mounting thread | Metal |
| 429056 | BT-2L | MLD 500, MLD 300 multiple light beam safety devices, CML700i light curtains, MLC 500, MLC 300 safety light curtains | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 560120 | BT-2S | MLD 500, MLD 300 multiple light beam safety devices, CML700i light curtains, MLC 500, MLC 300 safety light curtains | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 430105 | BT-2UM60 | UM60 deflecting mirror | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50112206 | BT 002M.5 | 2 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Stainless steel |
| 50115197 | BT 003M.1 | 3B series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50060511 | BT 3 | 3B series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50105546 | BT 3B | 3B series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50036195 | BT 8 | 8 series sensors, QDSL 30 | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50006902 | BT 16 | 78 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50011791 | BT 24 | VS 24 | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50040269 | BT 25 | 25 series sensors, 55 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50105315 | BT 46 | 46B series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50080152 | BT 64 | LS 64 | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50016515 | BT 66 | LS 66, 713 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50003374 | BT 78 | 78 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50003376 | BT 85 | 85 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50018415 | BT 92 | 92 series sensors, 97 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50020833 | BT 95 | 95 series sensors, 18 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50025570 | BT 96 | 96B series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50080614 | BT 96.1 | 96B series sensors, 49C series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50032319 | BT 96.4 | 96B series sensors, 49C series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50118542 | BT 200M.5 | 3B series sensors, 25B series sensors, 5 series sensors, 18 series sensors, 28 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Stainless steel |
| 50124651 | BT 205M | 5 series sensors, 3B series sensors, 25B series sensors, 28 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |

Further mounting brackets can be found on our website

Data transmission /
Control componentsIndustrial image
processing

Accessories

| Part no. | Part description | Suitable for | Design | Fastening at device | Fastening at system | Material |
|----------|------------------|---|----------------|---------------------|-----------------------|----------------------|
| 50121433 | BT 300 W | BCL 3xxi series bar code readers, BCL 3xxi series bar code readers with deflecting mirror | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50118543 | BT 300M.5 | 46B series sensors, 8 series sensors, ODSL 9 | Angle, L-shape | Screw type | Through-hole mounting | Stainless steel, V2A |
| 50132151 | BT 320M | DCR 200i series stationary 2D-code readers | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50080776 | BT 713 | 713 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50131534 | BT 900 | BCL 900i series bar code readers | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50009419 | BT 910M | TK 100x100 reflector | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50113550 | BT D08M.5 | 208 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Stainless steel |
| 50113549 | BT D12M.5 | 212 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Stainless steel |
| 50113548 | BT D18M.5 | 218 series sensors, 318 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Stainless steel |
| 50117257 | BT D21M | 318 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Metal |
| 50113510 | BT D30M.5 | 230 series sensors, 430 series sensors | Angle, L-shape | Screw type | Through-hole mounting | Stainless steel |
| 429057 | BT-2Z | MLD 500, MLD 300 multiple light beam safety devices, CML700i light curtains, MLC 500, MLC 300 safety light curtains | Angle, Z-shape | Screw type | Through-hole mounting | Metal |

Further mounting brackets can be found on our website

/// Rod mounts



Various mounting systems for comfortable mounting and alignment of a sensor on a rod. Versions in galvanized material or stainless steel for different diameters of 10 to 20 mm.



Direct access to the online product selector at www.leuze.com/en/r-fastening

| Part no. | Part description | Suitable for | Design | Fastening at device | Fastening at system | Material |
|----------|----------------------|---|-----------------|---------------------|---|-----------------|
| 50111391 | BT 20-D10 | BCL 2x series bar code readers, 25 series sensors | Mounting system | Screw type | For 10 mm rod, sheet-metal mounting | Metal |
| 50060503 | BT 20-D12 | BCL 2x series bar code readers, 25 series sensors | Mounting system | Screw type | For 12 mm rod, sheet-metal mounting | Metal |
| 50027375 | BT 56 | BCL 3x series bar code readers, BCL 5xxi series bar code readers, BPS 3x series bar code positioning system, LSIS 4xxi series stationary 2D-code readers, BCL 3xxi series bar code readers, BCL 3xxi series bar code readers with deflecting mirror, BPS 300i series bar code positioning system, LxS light section sensors | Mounting system | Clampable | For 16 mm rod, for 18 mm rod, for 20 mm rod | Metal |
| 50121435 | BT 56 - 1 | BCL 3xxi series bar code readers, BCL 5xxi series bar code readers, LSIS 4xxi series stationary 2D-code readers, BPS 300i series bar code positioning system, LxS light section sensors | Mounting system | Clampable | For 12 mm rod, for 14 mm rod, for 16 mm rod | Metal |
| 50126007 | BT 56 - V | LxS light section sensors | Mounting system | Clampable | For 16 mm rod, for 14 mm rod, for 12 mm rod | Metal |
| 50121434 | BT 300 - 1 | BCL 3xxi series bar code readers, BCL 3xxi series bar code readers with deflecting mirror | Mounting system | Screw type | For 12 mm rod, for 14 mm rod, for 16 mm rod | Metal |
| 50082084 | BT 450.1-96 | 96B series sensors | Mounting system | Screw type | For 10 mm rod | Metal |
| 50104897 | BT 450.3-96 | 96B series sensors | Mounting system | Screw type | For 12 mm rod | Metal |
| 50127177 | BTU 008M-D10 | 8 series sensors | Mounting system | Screw type | Sheet-metal mounting, for 10 mm rod | Metal |
| 50116817 | BTU 053M.5F-D12-A090 | 53 series sensors | Mounting system | Screw type | For 12 mm rod | Stainless steel |
| 50116816 | BTU 053M.5F-D12-A180 | 53 series sensors | Mounting system | Screw type | For 12 mm rod | Stainless steel |
| 50116820 | BTU 053M.5F-D12-N | 53 series sensors | Mounting system | Screw type | For 12 mm rod | Stainless steel |
| 50116819 | BTU 053M.5F-D12-SS | 53 series sensors | Mounting system | Screw type | For 12 mm rod | Stainless steel |
| 50116815 | BTU 053M.5F-D20-N | 53 series sensors | Mounting system | Screw type | For 20 mm rod | Stainless steel |
| 50116814 | BTU 053M.5F-D20-SS | 53 series sensors | Mounting system | Screw type | For 20 mm rod | Stainless steel |
| 50120426 | BTU 200M.5-D12 | 18 series sensors, 5 series sensors, 25B series sensors, 3B series sensors, 55 series sensors, 28 series sensors | Mounting system | Screw type | For 12 mm rod | Stainless steel |
| 50132150 | BTU 320M-D12 | DCR 200i series stationary 2D-code readers | Mounting system | Screw type | For 12 mm rod | Metal |
| 50128379 | BTU 460M-D10 | 49C series sensors, BCL 3xxi series bar code readers, BPS 300i series bar code positioning systems, 10 series sensors | Mounting system | Screw type | For 10 mm rod | Metal |
| 50128380 | BTU 460M-D12 | 49C series sensors, BCL 3xxi series bar code readers, BPS 300i series bar code positioning systems, 10 series sensors | Mounting system | Screw type | For 12 mm rod | Metal |

Further rod mounts can be found on our website

| Part no. | Part description | Suitable for | Design | Fastening at device | Fastening at system | Material |
|----------|-------------------|---|--|---------------------|--|------------------------|
| 50120011 | BTU 934M-D10-90 | PRK retro-reflective photoelectric sensors | Mounting system | Adhesive | For 10 mm rod, sheet-metal mounting | Metal |
| 50120019 | BTU 934M-D12-90 | PRK retro-reflective photoelectric sensors | Mounting system | Adhesive | For 12 mm rod, sheet-metal mounting | Metal |
| 50120010 | BTU 934M-D14-90 | PRK retro-reflective photoelectric sensors | Mounting system | Adhesive | Sheet-metal mounting, for 14 mm rod | Metal |
| 50119334 | BTU D12M-D12-A090 | 12mm rod | Mounting system | Clampable | For 12 mm rod, through-hole mounting | Metal |
| 50119333 | BTU D12M-D12-B090 | 12mm rod | Mounting system | Clampable | For 12 mm rod, through-hole mounting | Metal |
| 50132567 | BTU D12M-VKT-90 | 12mm rod | Mounting system | Clampable | Through-hole mounting, for 12 mm rod | Metal |
| 430305 | MMS-A-2N55 | PRK retro-reflective photoelectric sensor, HRT diffuse reflection sensor | Mounting system | Groove mounting | Through-hole mounting | Metal |
| 430306 | MMS-AP-N60 | PRK retro-reflective photoelectric sensor, HRT diffuse reflection sensor | Mounting system | Groove mounting | Through-hole mounting | Metal |
| 50026204 | UMS 96 | 96B series sensors | Mounting system | Clampable | For 10 mm rod, for 12 mm rod, for 14 mm rod, for 16 mm rod | Metal |
| 50027191 | UMS 96-82 | 96B series sensors | Mounting system | Clampable | For 10 mm rod, for 12 mm rod, for 14 mm rod, for 16 mm rod | Metal |
| 50080334 | UMS 96-95 | 96B series sensors | Mounting system | Clampable | For 10 mm rod, for 12 mm rod, for 14 mm rod, for 16 mm rod | Metal |
| 50129149 | BTU 346M.6-D12 | (M)TKS 30x50 reflector, TKS 20x40 reflector, 46B series sensors, TKS 50x50 reflector | Mounting system, turning, 360 °, adjustable, clampable | Screw type | For 12 mm rod, sheet-metal mounting | Metal, stainless steel |
| 50122797 | BTU 346M-D12 | 46B series sensors, (M)TKS 30x50 reflector, TKS 50x50 reflector, 3B series sensors, 25B series sensors, TKS 20x40 reflector | Mounting system, turning, 360 °, clampable, adjustable | Screw type | For 12 mm rod, sheet-metal mounting | Metal |
| 50122798 | BTU 346M.5-D12 | 46B series sensors, (M)TKS 30x50 reflector, TKS 50x50 reflector, TKS 20x40 reflector | Mounting system, turning, 360 °, clampable, adjustable | Screw type | For 12 mm rod, sheet-metal mounting | Stainless steel |
| 50119332 | BTU 900M-D10 | (M)TKS 30x50 reflector, TKS 50x50 reflector, (M)TKS 40x60 reflector | Mounting system, clampable, turning, 360 °, swiveling | Screw type | For 10 mm rod, sheet-metal mounting | Metal |
| 50119331 | BTU 900M-D12 | (M)TKS 30x50 reflector, TKS 50x50 reflector, (M)TKS 40x60 reflector | Mounting system, clampable, turning, 360 °, swiveling | Screw type | For 12 mm rod, sheet-metal mounting | Metal |
| 50119330 | BTU 900M-D14 | (M)TKS 30x50 reflector, TKS 50x50 reflector, (M)TKS 40x60 reflector | Mounting system, clampable, turning, 360 °, swiveling | Screw type | For 14 mm rod, sheet-metal mounting | Metal |
| 50117256 | BTU 200M-D10 | 3B series sensors, 25B series sensors, 18 series sensors, 5 series sensors, 55 series sensors, 28 series sensors | Mounting system, clampable, adjustable, turning, 360 ° | Screw type | For 10 mm rod, sheet-metal mounting | Metal |
| 50117255 | BTU 200M-D12 | 3B series sensors, 25B series sensors, 18 series sensors, 5 series sensors, 55 series sensors, 28 series sensors | Mounting system, clampable, adjustable, turning, 360 ° | Screw type | For 12 mm rod, sheet-metal mounting | Metal |
| 50117254 | BTU 200M-D14 | 3B series sensors, 25B series sensors, 18 series sensors, 5 series sensors, 55 series sensors, 28 series sensors | Mounting system, clampable, adjustable, turning, 360 ° | Screw type | For 14 mm rod, sheet-metal mounting | Metal |
| 50117253 | BTU 300M-D10 | 46B series sensors, 8 series sensors, ODSL 9 | Mounting system, clampable, adjustable, turning, 360 ° | Screw type | For 10 mm rod, sheet-metal mounting | Metal |
| 50117252 | BTU 300M-D12 | 46B series sensors, 8 series sensors, ODSL 9 | Mounting system, clampable, adjustable, turning, 360 ° | Screw type | For 12 mm rod, sheet-metal mounting | Metal |
| 50117251 | BTU 300M-D14 | 46B series sensors, 8 series sensors, ODSL 9 | Mounting system, clampable, adjustable, turning, 360 ° | Screw type | For 14 mm rod, sheet-metal mounting | Metal |
| 50120425 | BTU 300M.5-D12 | 46B series sensors, 8 series sensors, ODSL 9 | Mounting system, clampable, adjustable, turning, 360 ° | Screw type | For 12 mm rod, sheet-metal mounting | Stainless steel |
| 50117490 | BTU D18M-D12 | 318 series sensors, 28 series sensors, 218 series sensors | Mounting system, clampable, adjustable, turning, 360 ° | Screw type | Through-hole mounting | Metal |
| 50119325 | BTU D12M.5-045-M8 | BTU D12M-D12-B090, BTU D12M-D12-A090 | 12mm rod | Clampable | Mounting thread | Stainless steel |
| 424900 | BTU D12M.5-100 | BTU D12M-D12-A090, BTU D12M-D12-B090 | 12mm rod | Clampable | Clampable | Stainless steel |
| 50119323 | BTU D12M.5-150 | BTU D12M-D12-B090, BTU D12M-D12-A090 | 12mm rod | Clampable | Clampable | Stainless steel |
| 50119324 | BTU D12M.5-250 | BTU D12M-D12-B090, BTU D12M-D12-A090 | 12mm rod | Clampable | Clampable | Stainless steel |
| 50132565 | BTU D12M-Z-230 | BTU D12M-D12-A090, BTU D12M-D12-B090, BTU D12M-VKT-90 | Z-shaped rod, 12 mm | Clampable | Clampable | Metal |
| 50132564 | BTU D12M.5-Z-230 | BTU D12M-D12-A090, BTU D12M-D12-B090, BTU D12M-VKT-90 | Z-shaped rod, 12 mm | Clampable | Clampable | Stainless steel |
| 50117830 | BTP 200M-D10 | 3B series sensors, 25B series sensors, 18 series sensors, 5 series sensors | Protection hood, clampable, adjustable, turning, 360 ° | Screw type | For 10 mm rod | Metal |

Further rod mounts can be found on our website

Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

Industrial image processing

Accessories

| Part no. | Part description | Suitable for | Design | Fastening at device | Fastening at system | Material |
|----------|------------------|--|---|---------------------|---------------------|----------|
| 50117829 | BTP 200M-D12 | 3B series sensors, 25B series sensors, 18 series sensors, 5 series sensors | Protection hood, clampable, adjustable, turning, 360° | Screw type | For 12 mm rod | Metal |
| 50117828 | BTP 200M-D14 | 3B series sensors, 18 series sensors, 5 series sensors | Protection hood, clampable, adjustable, turning, 360° | Screw type | For 14 mm rod | Metal |
| 50117827 | BTP 300M-D10 | 46B series sensors, 8 series sensors, ODSL 9 | Protection hood, clampable, adjustable, turning, 360° | Screw type | For 10 mm rod | Metal |
| 50117826 | BTP 300M-D12 | 46B series sensors, 8 series sensors, ODSL 9 | Protection hood, clampable, adjustable, turning, 360° | Screw type | For 12 mm rod | Metal |
| 50117825 | BTP 300M-D14 | 46B series sensors, 8 series sensors, ODSL 9 | Protection hood, clampable, adjustable, turning, 360° | Screw type | For 14 mm rod | Metal |

Further rod mounts can be found on our website

/// Other mounting systems



Various mounting devices such as mounting clamps, sliding blocks, swiveling mounting brackets, adjustable mounting brackets, cylindrical mounting systems, table and wall mounting brackets, rope, quick-change mounting brackets and much more.



Direct access to the online product selector at www.leuze.com/en/s-fastening

| Part no. | Part description | Suitable for | Design | Fastening at device | Fastening at system | Material |
|----------|------------------|---|----------------|---------------------------------------|--------------------------------------|-----------------|
| 50104791 | BT 8-01 | BPS 8 series bar code positioning system | | Screw type | Through-hole mounting | Metal |
| 50037473 | BT 21 | BCL 2x series bar code reader | | Insertable | Mounting thread | Metal |
| 50111224 | BT 59 | BCL 5xxi series bar code readers, LSIS 4xxi series stationary 2D-code readers, LxS light section sensors | | Clampable | Groove mounting | Metal |
| 50107034 | BT Rope IT | IT 3800i series mobile bar code readers, FIS series mobile 2D-code readers, IT 1910 series mobile 2D-code readers, IT 1911 series mobile 2D-code readers, IT 1280i series mobile bar code readers, IT 198xi series mobile 2D-code readers | | Insertable | Suspended (rope) | Plastic |
| 50124941 | BTU 0300M-W | Bar code positioning system, BPS 300i series | | Clampable, groove mounting | Through-hole mounting | Metal |
| 50125860 | BTX-D18M-D30 | Sensors with M18 design | | Screw type | Mounting thread | Stainless steel |
| 50132727 | AC D08M-CS | Sensors with M8 design | Mounting clamp | Insertable, clampable with limit stop | Screw type, through-hole mounting | Metal |
| 50132728 | AC D12M-CS | Sensors with M12 design | Mounting clamp | Insertable, clampable with limit stop | Screw type, through-hole mounting | Metal |
| 50132729 | AC D18M-CS | Sensors with M18 design | Mounting clamp | Insertable, clampable with limit stop | Screw type, through-hole mounting | Metal |
| 50132730 | AC D30M-CS | Sensors with M30 design | Mounting clamp | Insertable, clampable with limit stop | Screw type, through-hole mounting | Metal |
| 424417 | BT-2P40 | CML700i light curtains, UDC-S2, DC-S2 device columns, MLC 500, MLC 300 safety light curtains | Mounting clamp | Groove mounting | Groove mounting | Metal |
| 50128583 | BT-GS6X.DT | 61/63 series sensors | Mounting clamp | Screw type | Groove mounting | Metal |
| 50036196 | BT 8-0 | 8 series sensors | Mounting clamp | Clampable | Mounting thread | Metal |
| 50121904 | BT318B-OM | 318 series sensors | Mounting clamp | Screw type | Through-hole mounting | Plastic |
| 50117258 | BT 318P-LS | 318 series sensors | Mounting clamp | Clampable | Through-hole mounting | Plastic |
| 50126631 | BT 328M | 328 series sensors, sensors with M18 design | Mounting clamp | Screw type | For 18 mm rod, through-hole mounting | Stainless steel |
| 50115600 | BTC 088M-I40 | 288 series sensors | Mounting clamp | Clampable | Groove mounting | Metal |
| 50111496 | MC 006K | 206 series sensors | Mounting clamp | Clampable | Through-hole mounting | Plastic |
| 50111497 | MC 008K | 208 series sensors | Mounting clamp | Clampable | Through-hole mounting | Plastic |
| 50111498 | MC 008K-LS | 208 series sensors | Mounting clamp | Clampable with limit stop | Through-hole mounting | Plastic |
| 50111499 | MC 012K | 212 series sensors, 412 series sensors | Mounting clamp | Clampable | Through-hole mounting | Plastic |
| 50111500 | MC 012K-LS | 212 series sensors, 412 series sensors | Mounting clamp | Clampable with limit stop | Through-hole mounting | Plastic |

Further mounting systems can be found on our website

| Part no. | Part description | Suitable for | Design | Fastening at device | Fastening at system | Material |
|----------|-----------------------|--|-----------------|---------------------------|-----------------------|----------|
| 50111501 | MC 018K | 218 series sensors, 418 series sensors | Mounting clamp | Clampable | Through-hole mounting | Plastic |
| 50111502 | MC 018K-LS | 218 series sensors, 418 series sensors | Mounting clamp | Clampable with limit stop | Through-hole mounting | Plastic |
| 50111503 | MC 030K | 230 series sensors, 430 series sensors | Mounting clamp | Clampable | Through-hole mounting | Plastic |
| 50111504 | MC 030K-LS | 230 series sensors | Mounting clamp | Clampable with limit stop | Through-hole mounting | Plastic |
| 50123869 | BT-GS6X.H | 61/63 series sensors | Mounting plate | Groove mounting | Through-hole mounting | Metal |
| 50112215 | BT-GS6X.L | 61/63 series sensors | Mounting plate | Groove mounting | Through-hole mounting | Metal |
| 50035030 | BT 8-ARH | 8 series sensors | Mounting plate | Screw type | Through-hole mounting | Metal |
| 50118539 | BT 25-ARH | 25 series sensors | Mounting plate | Screw type | Through-hole mounting | Metal |
| 50083189 | BT 318-ARH | 318 series sensors, 418 series sensors | Mounting plate | Screw type | Through-hole mounting | Metal |
| 50126757 | BTX 0500 M | DDL 500 series data transmission systems | Mounting plate | Screw type | Through-hole mounting | Metal |
| 50027167 | BT 57 | MA 21, MA 31 | Mounting system | Screw type | Through-hole mounting | Metal |
| 425740 | BT-10NC60 | MLC 500, MLC 300 safety light curtains, MLD 300, MLD 500 multiple light beam safety devices | Sliding block | Groove mounting | Mounting thread | Metal |
| 425741 | BT-10NC64 | MLC 500, MLC 300 safety light curtains, MLD 300, MLD 500 multiple light beam safety devices | Sliding block | Groove mounting | Mounting thread | Metal |
| 425742 | BT-10NC65 | MLC 500, MLC 300 safety light curtains, MLD 300, MLD 500 multiple light beam safety devices | Sliding block | Groove mounting | Mounting thread | Metal |
| 50128797 | BT 1900gCover | IT 1900 series mobile 2D-code readers | Protection hood | Insertable | Suspended (rope) | Plastic |
| 50106109 | BT Cover IT4xxx | IT 3820 series mobile bar code readers, IT 3800i series mobile bar code readers | Protection hood | Insertable | Suspended (rope) | Plastic |
| 50109534 | BT Cover IT1300g | IT 1300 series mobile bar code readers | Protection hood | Insertable | Suspended (rope) | Plastic |
| 50115358 | BT Desktop IT1300g | IT 1300 series mobile bar code readers | Table foot | Insertable | Self-supporting | Plastic |
| 50103402 | BT Flex Neck IT 4xxx | IT 3820 series mobile bar code readers, IT 3800i series mobile bar code readers | Table foot | Insertable | Self-supporting | Plastic |
| 50107039 | BT Flex Neck IT1300g | IT 1300 series mobile bar code readers | Table foot | Insertable | Self-supporting | Plastic |
| 50130491 | BT Holder HCR 6200 | HCR 6200 series mobile 2D-code readers | Table foot | Insertable | Self-supporting | Plastic |
| 50114498 | BT Holder IT 190x | IT 1900 series mobile 2D-code readers, IT 1902 series mobile 2D-code readers | Table foot | Insertable | Self-supporting | Plastic |
| 50114501 | BT Stand 8 IT 190x | IT 1900 series mobile 2D-code readers, IT 1902 series mobile 2D-code readers | Table foot | Insertable | Self-supporting | Plastic |
| 50128795 | BT Stand 30 IT 191x | IT 1910 series mobile 2D-code readers, IT 1911 series mobile 2D-code readers | Table foot | Insertable | Self-supporting | Plastic |
| 50034617 | Holder for Z-3010 | Z-3xxx series mobile bar code readers | Table foot | Insertable | Through-hole mounting | Plastic |
| 50106314 | BT VMHolder | FIS series mobile 2D-code readers, IT 1900 series mobile 2D-code readers, IT 1902 series mobile 2D-code readers, IT 3800g series mobile bar code readers, IT 3820 series mobile bar code readers | Wall mounting | Insertable | Mounting thread | Metal |
| 50120444 | BT Wallholder HS65x8 | HS 65x8, IT 1910 series mobile 2D-code readers, IT 1911 series mobile 2D-code readers | Wall mounting | Insertable | Through-hole mounting | Plastic |
| 50115739 | BT Wallholder IT190x | IT 1900 series mobile 2D-code readers, IT 1902 series mobile 2D-code readers | Wall mounting | Insertable | Mounting thread | Plastic |
| 50128793 | BT Wallholder IT 191x | IT 1910 series mobile 2D-code readers, IT 1911 series mobile 2D-code readers | Wall mounting | Insertable | Mounting thread | Plastic |
| 520021 | BT-LA-78M | LA-78M laser alignment aids | Angle, L-shape | Screw type | Groove mounting | Metal |
| 520022 | BT-LA-78M-UDC | LA-78M laser alignment aids | Angle, L-shape | Screw type | | Metal |
| 50107255 | MW OMS/AMS 01 | AMS 300 | Angle, L-shape | Screw type | Through-hole mounting | Metal |

Further mounting systems can be found on our website

Switching
sensors

Measuring
sensors

Products for
safety at work

Identification

SMARTER PRODUCT USABILITY

*power*reserve.

Stable processes as a result of the largest possible function reserves

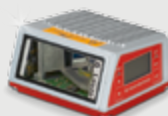


*think*modular.

Freely selectable function range comprising various equipment features

*availability*control.

Early warnings in case of dirty devices prevent costly system downtime



*easy*handling.

Intelligent ideas for installation and alignment and easy operation of the devices



*integrated*connectivity.

Integrated interface diversity for simple integration in your fieldbus



Additional usability highlights can be found at: www.leuze.com/en/products

Data transmission /
Control components

Industrial image
processing

Accessories

/ DEVICE COLUMNS

ROCK SOLID MOUNTING

Owing to their different designs and heights, our robust device columns offer flexible options for freestanding mounting of our safety light curtains and multiple light beam safety devices. Muting mounting systems can be attached extremely easily on the outside.



Direct access to the online product selector at www.leuze.com/en/device-columns

| Part no. | Part description | Height | Column height without foot | Mechanical reset function |
|----------|------------------|----------|----------------------------|---------------------------|
| 549620 | DC-900-S2 | 900 mm | 900 mm | No |
| 549855 | UDC-900-S2 | 960 mm | 900 mm | Yes |
| 549621 | DC-1000-S2 | 1,000 mm | 1,000 mm | No |
| 549856 | UDC-1000-S2 | 1,060 mm | 1,000 mm | Yes |
| 549627 | DC-1070-S2 | 1,070 mm | 1,070 mm | No |
| 549626 | DC-1140-S2 | 1,140 mm | 1,140 mm | No |
| 549879 | UDC-1140-S2 | 1,200 mm | 1,140 mm | Yes |
| 549622 | DC-1300-S2 | 1,300 mm | 1,300 mm | No |
| 549852 | UDC-1300-S2 | 1,360 mm | 1,300 mm | Yes |
| 549623 | DC-1600-S2 | 1,600 mm | 1,600 mm | No |
| 549853 | UDC-1600-S2 | 1,660 mm | 1,600 mm | Yes |
| 549624 | DC-1900-S2 | 1,900 mm | 1,900 mm | No |
| 549854 | UDC-1900-S2 | 1,960 mm | 1,900 mm | Yes |

Included in delivery: mounting kit for floor assembly (UDC device columns only)
Further device columns can be found on our website

SMARTER CUSTOMER SERVICE

User knowledge about machine safety topics

The online adviser, Safety know-how, provides a selection of European directives and important standards relating to machine safety and offers assistance with the selection and application of protective devices.

- 1. Introduction
- 2. Machine safety in the EU
- 3. Machine safety in the USA
- 4. Protective devices
- Videos
- Calculation wizards



Detailed information regarding machine safety: www.leuze.com/en/safetyknow-how



/ DEFLECTING MIRRORS / DEFLECTING MIRROR COLUMNS

LETTING LIGHT SHINE - EVEN AROUND CORNERS

It is sometimes necessary for safety at work, to deflect sensor beams on account of structural circumstances. Our deflecting mirrors and columns enable inexpensive solutions for multi-side guarding of danger zones.



Switching
sensors

Measuring
sensors

Products for
safety at work

Identification

Data transmission /
Control components

Industrial image
processing

Accessories

/// Deflecting mirror columns / continuous



The continuous mirror surface is suitable for the beam deflection of safety light curtains such as the MLC series. Special spring elements offer an automatic resetting after mechanical impacts. For easy alignment, the mirror column can be adjusted in 3 directions.

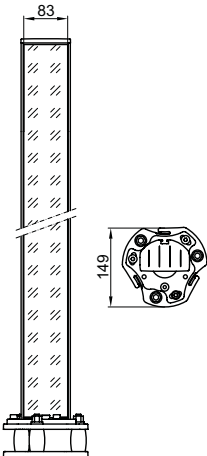


Direct access to the online product selector at www.leuze.com/en/uss-d

| Part no. | Part description | Mirror length | Height | Mechanical reset function |
|----------|------------------|---------------|----------|---------------------------|
| 549780 | UMC-1000-S2 | 970 mm | 1,060 mm | Yes |
| 549781 | UMC-1300-S2 | 1,270 mm | 1,360 mm | Yes |
| 549782 | UMC-1600-S2 | 1,570 mm | 1,660 mm | Yes |
| 549783 | UMC-1900-S2 | 1,870 mm | 1,960 mm | Yes |

Included in delivery: mounting kit for floor assembly

Dimensioned drawings: Deflecting mirror columns / continuous



Deflecting mirror column UMC-S2, continuous mirror

/// Deflecting mirror columns / individual mirrors



The deflecting mirror columns with individual mirrors are suitable for the beam deflection of multiple light beam safety devices such as the MLD series. Special spring elements offer an automatic resetting after mechanical impacts. For exact alignment, each mirror can be adjusted in 3 axes.

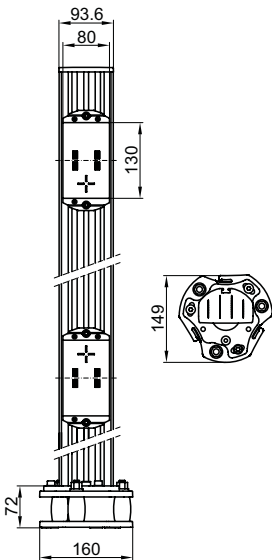


Direct access to the online product selector at www.leuze.com/en/uss-e

| Part no. | Part description | Column height without foot | Height | Number of individual mirrors | Center-to-center spacing of individual mirrors |
|----------|------------------|----------------------------|----------|------------------------------|--|
| 549790 | UMC-902-S2 | 900 mm | 960 mm | 2x | 500 mm |
| 549791 | UMC-1002-S2 | 1,000 mm | 1,060 mm | 2x | 500 mm |
| 549797 | UMC-1143-S2 | 1,140 mm | 1,200 mm | 3x | 400 mm |
| 549792 | UMC-1303-S2 | 1,300 mm | 1,360 mm | 3x | 400 mm |
| 549793 | UMC-1304-S2 | 1,300 mm | 1,360 mm | 4x | 300 mm |
| 549796 | UMC-1603-S2 | 1,600 mm | 1,660 mm | 3x | 400 mm |

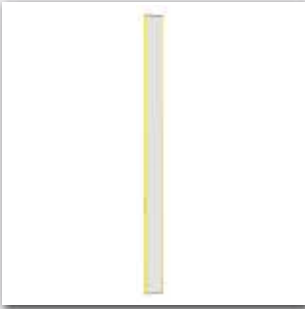
Included in delivery: mounting kit for floor assembly

Dimensioned drawings: Deflecting mirror columns / individual mirrors



UMC-S2 deflecting mirror columns, individual mirrors

/// Deflecting mirrors / continuous



The continuous mirror surface is suitable for the beam deflection of safety light curtains such as the MLC series. The narrow and robust aluminum housing is easy to mount with sliding blocks or swiveling mounting brackets.



Direct access to the online product selector at www.leuze.com/en/usp-d

| Part no. | Part description | Mirror length | Protected field height up to |
|----------|------------------|---------------|------------------------------|
| 529601 | UM60-150 | 210 mm | 150 mm |
| 529602 | UM60-225 | 285 mm | 225 mm |
| 529603 | UM60-300 | 360 mm | 300 mm |
| 529604 | UM60-450 | 510 mm | 450 mm |
| 529606 | UM60-600 | 660 mm | 600 mm |
| 529607 | UM60-750 | 810 mm | 750 mm |
| 529609 | UM60-900 | 960 mm | 900 mm |
| 529610 | UM60-1050 | 1,110 mm | 1,050 mm |
| 529612 | UM60-1200 | 1,260 mm | 1,200 mm |
| 529613 | UM60-1350 | 1,410 mm | 1,350 mm |
| 529615 | UM60-1500 | 1,560 mm | 1,500 mm |
| 529616 | UM60-1650 | 1,710 mm | 1,650 mm |
| 529618 | UM60-1800 | 1,860 mm | 1,800 mm |

Switching
sensors

Measuring
sensors

Products for
safety at work

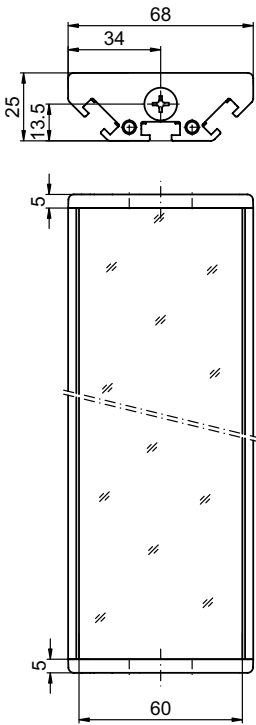
Identification

Data transmission /
Control components

Industrial image
processing

Accessories

Dimensioned drawings: Deflecting mirrors / continuous



UM60 deflecting mirror

/ PROTECTIVE SCREENS

PROTECTION FOR YOUR SENSORS

Protective screens in different lengths reliably prevent damage to the device window, e.g. caused by scratching and welding sparks.



Direct access to the online product selector at www.leuze.com/en/protective-screens

| Part no. | Part description | Height | Protective field height | Protective screen material | Suitable for |
|----------|------------------|----------|-------------------------|----------------------------|--|
| 426185 | PSC-900-S2 | 820 mm | | PMMA, gray | UDC-S2, DC-S2 device columns |
| 426186 | PSC-1000-S2 | 980 mm | | PMMA, gray | UDC-S2, DC-S2 device columns |
| 426187 | PSC-1300-S2 | 1,280 mm | | PMMA, gray | UDC-S2, DC-S2 device columns |
| 426188 | PSC-1600-S2 | 1,580 mm | | PMMA, gray | UDC-S2, DC-S2 device columns |
| 426189 | PSC-1900-S2 | 1,880 mm | | PMMA, gray | UDC-S2, DC-S2 device columns |
| 426190 | PSC-2500-S2 | 2,480 mm | | PMMA, gray | UDC-S2, DC-S2 device columns |
| 347070 | MLC-PS150 | 148 mm | 150 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347071 | MLC-PS225 | 223 mm | 225 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347072 | MLC-PS300 | 298 mm | 300 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347073 | MLC-PS450 | 448 mm | 450 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347074 | MLC-PS600 | 598 mm | 600 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347075 | MLC-PS750 | 748 mm | 750 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347076 | MLC-PS900 | 898 mm | 900 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347077 | MLC-PS1050 | 1,048 mm | 1,050 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347078 | MLC-PS1200 | 1,198 mm | 1,200 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347079 | MLC-PS1350 | 1,348 mm | 1,350 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347080 | MLC-PS1500 | 1,498 mm | 1,500 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347081 | MLC-PS1650 | 1,648 mm | 1,650 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |
| 347082 | MLC-PS1800 | 1,798 mm | 1,800 mm | PMMA, clear | MLC 500, MLC 300 safety light curtains |

Notice: If protective screens are used, the range of the safety sensor is reduced by approx. 10 % per screen!

SMARTER CUSTOMER SERVICE

Added value made attainable!

We offer specific and measurable added value in the areas of usability, application know-how and service – to make our customers more successful. In the future, these areas will also be our yardstick for new product developments, innovative service offerings and extensive market expertise.



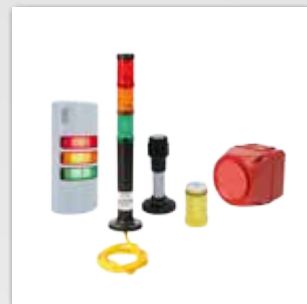
More information on our active customer orientation: www.leuze.com/en/ssb



/ SIGNALING DEVICES

CLEAR SIGNALS FOR AUTOMATION

At many critical points in automated systems and installations, the signaling of status information helps to keep productivity and efficiency at a high level. For this purpose, we offer an extensive range of signal columns, single-color and multicolor signal lamps and acoustic signalers – preassembled and individually combinable.



Switching sensors

Measuring sensors

/// Mounting systems



The configurable signaling columns can be mounted horizontally and vertically for 40 mm (E4) and 70 mm (E7).



Direct access to the online product selector at www.leuze.com/en/mon-sys

Products for safety at work

Identification

| Part no. | Part description | Design | Diameter | Length | Module holder | Lens modules | Connection |
|----------|------------------|---------------------|----------|--------|---------------|----------------|------------|
| 50130455 | E4-MH1 | Horizontal mounting | 40 mm | 43 mm | One side | Max. 5 pieces | Terminal |
| 50130458 | E4-MP1-100 | Base mounting | 40 mm | 134 mm | One side | Max. 5 pieces | Terminal |
| 50130459 | E4-MP1-250 | Base mounting | 40 mm | 284 mm | One side | Max. 5 pieces | Terminal |
| 50130460 | E4-MP1-400 | Base mounting | 40 mm | 434 mm | One side | Max. 5 pieces | Terminal |
| 50130456 | E4-MW1 | Bracket mounting | 40 mm | 56 mm | One side | Max. 5 pieces | Terminal |
| 50130457 | E4-MW2 | Bracket mounting | 40 mm | 56 mm | Two-sided | Max. 10 pieces | Terminal |
| 50130436 | E7-MH1 | Horizontal mounting | 70 mm | 46 mm | One side | Max. 5 pieces | Terminal |
| 50130440 | E7-MP1-100 | Base mounting | 70 mm | 136 mm | One side | Max. 5 pieces | Terminal |
| 50130439 | E7-MP1-250 | Base mounting | 70 mm | 286 mm | One side | Max. 5 pieces | Terminal |
| 50130441 | E7-MP1-400 | Base mounting | 70 mm | 436 mm | One side | Max. 5 pieces | Terminal |
| 50130437 | E7-MW1 | Bracket mounting | 70 mm | 81 mm | One side | Max. 5 pieces | Terminal |
| 50130438 | E7-MW2 | Bracket mounting | 70 mm | 81 mm | Two-sided | Max. 10 pieces | Terminal |

Data transmission / Control components

Industrial image processing

Accessories

/// Lenses



Extensive range of colors (6 colors) for the configurable Leuze electronic E4 (40 mm) and E7 (70 mm) signaling columns suitable for the respective mounting system.



Direct access to the online product selector at www.leuze.com/en/lenses

| Part no. | Part description | Signaling | Signal image | Diameter | Lens color | Degree of protection |
|----------|------------------|-----------|------------------|----------|------------|----------------------|
| 50130454 | E4-V1-BZ1 | Acoustic | | 40 mm | | IP 66 |
| 50130451 | E4-V1-DB-B | Optical | Flashing light | 40 mm | Blue | IP 66 |
| 50130450 | E4-V1-DB-C | Optical | Flashing light | 40 mm | Clear | IP 66 |
| 50130452 | E4-V1-DB-G | Optical | Flashing light | 40 mm | Green | IP 66 |
| 50130448 | E4-V1-DB-O | Optical | Flashing light | 40 mm | Orange | IP 66 |
| 50130449 | E4-V1-DB-R | Optical | Flashing light | 40 mm | Red | IP 66 |
| 50130453 | E4-V1-DB-Y | Optical | Flashing light | 40 mm | Yellow | IP 66 |
| 50130445 | E4-V1-DS-B | Optical | Continuous light | 40 mm | Blue | IP 66 |
| 50130444 | E4-V1-DS-C | Optical | Continuous light | 40 mm | Clear | IP 66 |
| 50130446 | E4-V1-DS-G | Optical | Continuous light | 40 mm | Green | IP 66 |
| 50130442 | E4-V1-DS-O | Optical | Continuous light | 40 mm | Orange | IP 66 |
| 50130443 | E4-V1-DS-R | Optical | Continuous light | 40 mm | Red | IP 66 |
| 50130447 | E4-V1-DS-Y | Optical | Continuous light | 40 mm | Yellow | IP 66 |
| 50130435 | E7-V1-BZ1 | Acoustic | | 70 mm | | IP 66 |
| 50130432 | E7-V1-DB-B | Optical | Flashing light | 70 mm | Blue | IP 66 |
| 50130431 | E7-V1-DB-C | Optical | Flashing light | 70 mm | Clear | IP 66 |
| 50130433 | E7-V1-DB-G | Optical | Flashing light | 70 mm | Green | IP 66 |
| 50130429 | E7-V1-DB-O | Optical | Flashing light | 70 mm | Orange | IP 66 |
| 50130430 | E7-V1-DB-R | Optical | Flashing light | 70 mm | Red | IP 66 |
| 50130434 | E7-V1-DB-Y | Optical | Flashing light | 70 mm | Yellow | IP 66 |
| 50130426 | E7-V1-DS-B | Optical | Continuous light | 70 mm | Blue | IP 66 |
| 50130424 | E7-V1-DS-C | Optical | Continuous light | 70 mm | Clear | IP 66 |
| 50130427 | E7-V1-DS-G | Optical | Continuous light | 70 mm | Green | IP 66 |
| 50130422 | E7-V1-DS-O | Optical | Continuous light | 70 mm | Orange | IP 66 |
| 50130423 | E7-V1-DS-R | Optical | Continuous light | 70 mm | Red | IP 66 |
| 50130428 | E7-V1-DS-Y | Optical | Continuous light | 70 mm | Yellow | IP 66 |

/// Ready-made signaling columns



Preassembled, multicolor signaling devices with 3 colors as signaling columns or wall-mounted devices for signaling with minimum effort.



Direct access to the online product selector at www.leuze.com/en/preass-sc

| Part no. | Part description | Signaling | Lens modules | Connection | Fastening | Degree of protection |
|----------|----------------------|----------------------|--|------------|-------------------------|----------------------|
| 50130472 | C3-V1-B-P0-SGS0SR-K1 | Optical | 3 pieces, ready-made, green, orange, red | Cable | Screw type / horizontal | IP 65 |
| 50130473 | D9-V1-G-SGS0SRBZ2 | Optical and acoustic | 3 pieces, ready-made, green, orange, red | Terminal | Screw type / vertical | IP 65 |

/// Multitone + beacon



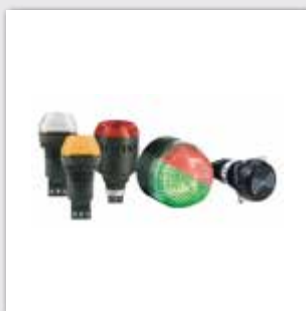
In factory buildings or outdoors, a siren continues to be an important signaling element in addition to visual signals, especially in the case of alarm signals. Here, we offer a selection of stand-alone devices or siren/lamp combinations with a particularly high degree of protection IP 66.



Direct access to the online product selector at www.leuze.com/en/multi_bea

| Part no. | Part description | Signaling | Lens color | Tone type | Supply voltage | Degree of protection |
|----------|------------------|-----------|------------|------------|----------------|----------------------|
| 50130519 | FBA-V1-Q94-O | Optical | Orange | | 24 V, AC/DC | IP 66 |
| 50130521 | FBA-V3-Q94-O | Optical | Orange | | 230 V, AC/DC | IP 66 |
| 50130520 | FBA-V1-Q94-R | Optical | Red | | 24 V, AC/DC | IP 66 |
| 50130522 | FBA-V3-Q94-R | Optical | Red | | 230 V, AC/DC | IP 66 |
| 50130517 | EMS-V1-Q94-A32 | Acoustic | | Multi-tone | 24 V, AC/DC | IP 66 |
| 50130518 | EMS-V3-Q94-A32 | Acoustic | | Multi-tone | 230 V, AC/DC | IP 66 |

/// Panel-mount modules



Single-color and multicolor transducers in an impact-resistant housing, also combined (lamp and sound module) for installation with M22 in 30, 45 and 65 mm diameter.



Direct access to the online product selector at www.leuze.com/en/panel-mod

| Part no. | Part description | Signaling | Signal image | Lens color | Illumination type | Diameter | Length in installed state | Degree of protection |
|----------|----------------------|----------------------|------------------------------|--------------------|-------------------|----------|---------------------------|----------------------|
| 50130526 | P45-V1-B-DS-O-BZ-098 | Optical and acoustic | Continuous or flashing light | Orange | Full | 45 mm | 48 mm | IP 65 |
| 50130531 | P45-V1-B-DS-R-BZ-098 | Optical and acoustic | Continuous or flashing light | Red | Full | 45 mm | 48 mm | IP 65 |
| 50130524 | P65-V1-B-DS-O-BZ-103 | Optical and acoustic | Continuous or flashing light | Orange | Full | 65 mm | 58 mm | IP 65 |
| 50130525 | P65-V1-B-DS-R-BZ-103 | Optical and acoustic | Continuous or flashing light | Red | Full | 65 mm | 58 mm | IP 65 |
| 50130510 | P30-V1-B-DS-B | Optical | Continuous or flashing light | Blue | Full | 30 mm | 18 mm | IP 65 |
| 50130512 | P30-V1-B-DS-Y | Optical | Continuous or flashing light | Yellow | Full | 30 mm | 18 mm | IP 65 |
| 50130511 | P30-V1-B-DS-G | Optical | Continuous or flashing light | Green | Full | 30 mm | 18 mm | IP 65 |
| 50130509 | P30-V1-B-DS-C | Optical | Continuous or flashing light | Clear | Full | 30 mm | 18 mm | IP 65 |
| 50130507 | P30-V1-B-DS-O | Optical | Continuous or flashing light | Orange | Full | 30 mm | 18 mm | IP 65 |
| 50130508 | P30-V1-B-DS-R | Optical | Continuous or flashing light | Red | Full | 30 mm | 18 mm | IP 65 |
| 50130515 | P30-V1-B-DV | Optical | Continuous light | Red, green | Half | 30 mm | 18 mm | IP 65 |
| 50130483 | P45-V1-B-DS-B | Optical | Continuous or flashing light | Blue | Full | 45 mm | 42 mm | IP 65 |
| 50130506 | P45-V1-B-DS-Y | Optical | Continuous or flashing light | Yellow | Full | 45 mm | 42 mm | IP 65 |
| 50130502 | P45-V1-B-DS-G | Optical | Continuous or flashing light | Green | Full | 45 mm | 42 mm | IP 65 |
| 50130482 | P45-V1-B-DS-C | Optical | Continuous or flashing light | Clear | Full | 45 mm | 42 mm | IP 65 |
| 50130480 | P45-V1-B-DS-O | Optical | Continuous or flashing light | Orange | Full | 45 mm | 42 mm | IP 65 |
| 50130481 | P45-V1-B-DS-R | Optical | Continuous or flashing light | Red | Full | 45 mm | 42 mm | IP 65 |
| 50130514 | P45-V1-B-DV | Optical | Continuous light | Red, green | Half | 45 mm | 42 mm | IP 65 |
| 50130477 | P65-V1-B-DS-B | Optical | Continuous or flashing light | Blue | Full | 65 mm | 56 mm | IP 65 |
| 50130479 | P65-V1-B-DS-Y | Optical | Continuous or flashing light | Yellow | Full | 65 mm | 56 mm | IP 65 |
| 50130478 | P65-V1-B-DS-G | Optical | Continuous or flashing light | Green | Full | 65 mm | 56 mm | IP 65 |
| 50130476 | P65-V1-B-DS-C | Optical | Continuous or flashing light | Clear | Full | 65 mm | 56 mm | IP 65 |
| 50130474 | P65-V1-B-DS-O | Optical | Continuous or flashing light | Orange | Full | 65 mm | 56 mm | IP 65 |
| 50130475 | P65-V1-B-DS-R | Optical | Continuous or flashing light | Red | Full | 65 mm | 56 mm | IP 65 |
| 50130516 | P65-V1-B-DW | Optical | Continuous light | Red, yellow, green | Full | 65 mm | 56 mm | IP 65 |
| 50130513 | P65-V1-B-DV | Optical | Continuous light | Red, green | Half | 65 mm | 56 mm | IP 65 |
| 50130532 | PBZ-V1-065 | Acoustic | | | | 30 mm | 12 mm | IP 65 |
| 50130533 | PBZ-V1-085 | Acoustic | | | | 30 mm | 12 mm | IP 65 |

Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

Industrial image processing

Accessories

/// Muting indicators



A wide range of indicators for displaying possible dangers is what makes a safety-at-work system complete.



Direct access to the online product selector at www.leuze.com/en/muting-indicators

| Part no. | Part description | Illuminant | Type of fastening | Degree of protection | Certifications |
|----------|-----------------------|---------------------------------------|-------------------------------|----------------------|----------------|
| 660600 | MS70/2 | Incandescent lamp BA15d/24 V, clear | Through-hole mounting at side | IP 65 | CE, UL, CSA |
| 660610 | MS70/LED | LED/24 V, yellow | Through-hole mounting | IP 65 | CE, UL, CSA |
| 660611 | MS70/LED-M12-2000-4GM | LED/24 V, yellow | Through-hole mounting at side | IP 65 | CSA, CE, UL |
| 548000 | MS851 | Incandescent lamp E14, 4W/24 V, clear | Through-hole mounting at side | IP 54 | CE, UL, CSA |

SMARTER APPLICATION KNOW-HOW

We are constantly working on challenges and important issues in our target markets.



Safety at work



Ex-protection



IO-Link



Laser class 1



ID technologies



Connectivity



Find out more in our user knowledge and topic center: www.leuze.com/en/topics

/ REFLECTORS AND REFLECTIVE TAPES

REFLECTORS TO RETURN THE LIGHT

Sensors that operate according to the reflection principle need high-quality reflectors in order to function. The reflector quality directly influences the reliability of the sensor solution. We offer reflectors for all conceivable applications and environmental conditions to ensure an optimum detection result at all times.


Switching
sensors

Measuring
sensors

/// Standard reflectors



Different reflectors in various designs with triad-type reflector sizes from 2.3 mm to 4 mm for sensors with medium to large light spot.



Direct access to the online product selector at www.leuze.com/en/stand-refl

Products for
safety at work

Identification

| Part no. | Part description | Design | Reflective surface | Triple reflector size | Fastening | Material | Special design |
|----------|------------------|-------------|--------------------|-----------------------|-------------------------------------|----------|------------------|
| 50110282 | TKS 10x32 | Rectangular | 10 mm × 32 mm | 2.3 mm | Through-hole mounting, adhesive | Plastic | |
| 50003188 | TK 20x75 | Rectangular | 15 mm × 70 mm | 2.6 mm | Adhesive | Plastic | |
| 50081283 | TKS 20X40 | Rectangular | 16 mm × 38 mm | 2.3 mm | Through-hole mounting, adhesive | Plastic | |
| 50117584 | TKS 20x20 | Rectangular | 18 mm × 20 mm | 2.3 mm | Through-hole mounting, adhesive | Plastic | |
| 50108215 | TKA 30X60 | Rectangular | 26 mm × 53 mm | 4 mm | Self-adhesive | Plastic | |
| 50023525 | TKS 30X50 | Rectangular | 27 mm × 44 mm | 3 mm | Through-hole mounting, adhesive | Plastic | |
| 50030433 | TKS 30X60 | Rectangular | 27 mm × 56 mm | 4 mm | Through-hole mounting, adhesive | Plastic | |
| 50108216 | TKA 30X46 | Rectangular | 27 mm × 43 mm | 4 mm | Self-adhesive | Plastic | |
| 50114617 | TKS 30x45 | Rectangular | 29 mm × 44 mm | 4 mm | Adhesive, through-hole mounting | Plastic | |
| 50003189 | TK 30x50 | Rectangular | 29 mm × 45 mm | 4 mm | Adhesive | Plastic | |
| 50027097 | TKS 30X500 | Rectangular | 30 mm × 500 mm | 2.6 mm | Through-hole mounting | Plastic | |
| 50003190 | TK 40x180 | Rectangular | 36 mm × 176 mm | 3 mm | Through-hole mounting | Plastic | |
| 50130291 | TK 40 x180.1-Set | Rectangular | 36 mm × 176 mm | 3 mm | Adhesive | Plastic | |
| 50040820 | TKS 40X60 | Rectangular | 37 mm × 56 mm | 4 mm | Through-hole mounting, adhesive | Plastic | |
| 50120538 | TKS 40x60.1.AF | Rectangular | 37 mm × 56 mm | 2.3 mm | Through-hole mounting, adhesive | Plastic | Anti-fog coating |
| 50130289 | TK 50 x100-Set | Rectangular | 46 mm × 96 mm | 4 mm | Adhesive | Plastic | |
| 50003191 | TK 50x100 | Rectangular | 46 mm × 96 mm | 4 mm | Supplied mounting bracket, adhesive | Plastic | |
| 50022815 | TKS 50X100 | Rectangular | 46 mm × 96 mm | 4 mm | Through-hole mounting, adhesive | Plastic | |
| 50022814 | TKS 50X50 | Rectangular | 47 mm × 48 mm | 4 mm | Through-hole mounting, adhesive | Plastic | |
| 50105153 | TKS 50X50.1 | Rectangular | 47 mm × 48 mm | 4 mm | Through-hole mounting, adhesive | Plastic | |
| 50113309 | TKS 50x50.1.HT | Rectangular | 47 mm × 48 mm | 4 mm | Through-hole mounting, adhesive | Plastic | Heat resistant |
| 50116725 | TKS 85x85 | Rectangular | 77 mm × 77 mm | 4 mm | Through-hole mounting, adhesive | Plastic | |
| 50130290 | TK 100 x100-Set | Rectangular | 96 mm × 96 mm | 4 mm | Adhesive | Plastic | |
| 50003192 | TK 100x100 | Rectangular | 96 mm × 96 mm | 4 mm | Supplied mounting bracket, adhesive | Plastic | |
| 50022816 | TKS 100X100 | Rectangular | 96 mm × 96 mm | 4 mm | Through-hole mounting, adhesive | Plastic | |
| 50003177 | TG 15 | Round | 14 mm | | M3 threaded pin | Glass | Heat resistant |
| 50041471 | TK 20.1 | Round | 17 mm | 2.3 mm | Adhesive | Plastic | |

Dimensional tolerances for all specified dimensions: ± 0.2 mm
Further standard reflectors can be found on our website

Data transmission /
Control components

Industrial image
processing

Accessories

| Part no. | Part description | Design | Reflective surface | Triple reflector size | Fastening | Material | Special design |
|----------|------------------|--------|--------------------|-----------------------|---------------------------------|----------|------------------|
| 50027696 | TKS 25 | Round | 23 mm | 2.3 mm | M4 threaded pin | Plastic | |
| 50041355 | TK 25.1 | Round | 23 mm | 2.3 mm | Adhesive | Plastic | |
| 50009374 | TG 29 | Round | 25 mm | | M3 threaded pin | Glass | Heat resistant |
| 50101867 | TK 35.1 | Round | 29 mm | 2.3 mm | Adhesive | Plastic | |
| 50105990 | TK 45.1 | Round | 37 mm | 2.3 mm | Adhesive | Plastic | |
| 50003186 | TK 60 | Round | 55 mm | 3 mm | Through-hole mounting | Plastic | |
| 50024127 | TK 82.2 | Round | 79 mm | 4 mm | Through-hole mounting, adhesive | Plastic | |
| 50111375 | TK 82.AF | Round | 79 mm | 4 mm | Through-hole mounting, adhesive | Plastic | Anti-fog coating |

Dimensional tolerances for all specified dimensions: ± 0.2 mm
Further standard reflectors can be found on our website

/// Micro-triad-type reflectors



Different reflectors in various designs with triad-type reflector sizes from 0.3 mm to 1.2 mm for sensors with small light spot and laser.



Direct access to the online product selector at www.leuze.com/en/microtr-refl

| Part no. | Part description | Design | Reflective surface | Triple reflector size | Fastening | Material |
|----------|------------------|-------------|--------------------|-----------------------|---------------------------------|----------|
| 50106209 | MTKS 14x23 | Rectangular | 11 mm × 21 mm | 1.2 mm | Through-hole mounting, adhesive | Plastic |
| 50114185 | REF 6-S-20x40 | Rectangular | 16 mm × 38 mm | 0.3 mm | Screw type | Plastic |
| 50104130 | MTKS 20x40.1 | Rectangular | 17 mm × 38 mm | 1.2 mm | Through-hole mounting, adhesive | Plastic |
| 50040894 | MTKS 20x30 | Rectangular | 19 mm × 29 mm | | Through-hole mounting, adhesive | Plastic |
| 50040895 | MTKS 20x20 | Rectangular | 20 mm × 20 mm | | Through-hole mounting, adhesive | Plastic |
| 50124004 | REF 6-S-26x280 | Rectangular | 22 mm × 276 mm | 0.3 mm | M4 threaded pin | Plastic |
| 50104132 | MTKS 30x50.1 | Rectangular | 27 mm × 44 mm | 1.2 mm | Through-hole mounting, adhesive | Plastic |
| 50104131 | MTKS 40x60.1 | Rectangular | 37 mm × 56 mm | 1.2 mm | Through-hole mounting, adhesive | Plastic |
| 50117583 | MTKS 50x50.1 | Rectangular | 50 mm × 50 mm | | Through-hole mounting, adhesive | Plastic |
| 50109828 | MTK 20 | Round | 17 mm | 1.2 mm | Adhesive | Plastic |

Dimensional tolerances for all specified dimensions: ± 0.2 mm
Further micro-triad-type reflectors can be found on our website

/// Reflectors for the pharmaceutical industry



Reflectors in different constructions for applications in which alcohol or H_2O_2 are used intensively for cleaning.



Direct access to the online product selector at www.leuze.com/en/refl-pharma

| Part no. | Part description | Design | Reflective surface | Triple reflector size | Fastening | Material |
|----------|------------------|-------------|--------------------|-----------------------|---------------------------------|----------|
| 50106961 | MTKS 14x23.P | Rectangular | 11 mm × 21 mm | 1.2 mm | Through-hole mounting, adhesive | Plastic |
| 50106960 | TKS 20x40.P | Rectangular | 16 mm × 38 mm | 2.3 mm | Through-hole mounting, adhesive | Plastic |
| 50112142 | TK BR 53 | Rectangular | 29 mm × 10 mm | | Housing fit | Plastic |
| 50106957 | TKS 40x60.P | Rectangular | 37 mm × 56 mm | 4 mm | Through-hole mounting, adhesive | Plastic |
| 50116939 | TK 10.P | Round | 8.5 mm | 1.5 mm | Adhesive | Plastic |
| 50106958 | TKS 20.P | Round | 17 mm | 2.3 mm | M4 threaded pin | Plastic |

Dimensional tolerances for all specified dimensions: ± 0.2 mm
Further standard reflectors can be found on our website

/// Heatable reflectors



Reflectors equipped with integrated heating for outdoor use or deep-freeze warehouses.

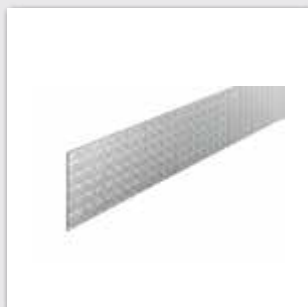


Direct access to the online product selector at www.leuze.com/en/heatable-reflectors

| Part no. | Part description | Design | Reflective surface | Fastening | Material | Special design |
|----------|------------------|--------|--------------------|-----------------------|----------|----------------|
| 50000068 | HTK 82 | Round | 78 mm | Through-hole mounting | Plastic | Heating |
| 50000071 | HTK 82-24V | Round | 78 mm | Through-hole mounting | Plastic | Heating |

Dimensional tolerances for all specified dimensions: ± 0.2 mm
Further standard reflectors can be found on our website

/// Reflective tapes for standard applications



Reflective foils in various dimensions for sensors with medium to large light spot.



Direct access to the online product selector at www.leuze.com/en/refl-fo-stand

| Part no. | Part description | Design | Reflective surface | Fastening | Material |
|----------|-------------------|-------------|--------------------|---------------|----------|
| 50107057 | REF 4-A-20x20 | Rectangular | 20 mm × 20 mm | Self-adhesive | Plastic |
| 50102604 | REF 4-A-25X1000 | Rectangular | 25 mm × 1,000 mm | Self-adhesive | Plastic |
| 50041876 | REF 4-A-25x45700 | Rectangular | 25 mm × 45,700 mm | Self-adhesive | Plastic |
| 50038060 | REF 4-A-50X1000 | Rectangular | 50 mm × 1,000 mm | Self-adhesive | Plastic |
| 50108300 | REF 4-A-50x50 | Rectangular | 50 mm × 50 mm | Self-adhesive | Plastic |
| 50111772 | REF 4-A-50x45700 | Rectangular | 50 mm × 45,700 mm | Self-adhesive | Plastic |
| 50106119 | REF 4-A-100x100 | Rectangular | 100 mm × 100 mm | Self-adhesive | Plastic |
| 50104657 | REF 4-A-100x45700 | Rectangular | 100 mm × 45,700 mm | Self-adhesive | Plastic |
| 50038117 | REF 4-A-920x749 | Rectangular | 920 mm × 749 mm | Self-adhesive | Plastic |

Further reflective tapes can be found on our website

Switching sensors

Measuring sensors

Products for safety at work

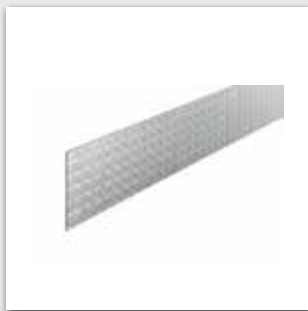
Identification

Data transmission / Control components

Industrial image processing

Accessories

/// Reflective tapes for laser and clear-glass applications



Reflective foils in various dimensions for sensors with small light spot and laser as well as for clear glass applications.

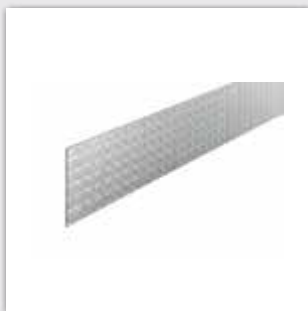


Direct access to the online product selector at www.leuze.com/en/refl-fo-laser

| Part no. | Part description | Design | Reflective surface | Fastening | Material |
|----------|------------------|-------------|--------------------|---------------|----------|
| 50123899 | REF 6-A-9x9 | Rectangular | 9 mm × 9 mm | Self-adhesive | Plastic |
| 50123861 | REF 6-A-14x45 | Rectangular | 15 mm × 45 mm | Self-adhesive | Plastic |
| 50110191 | REF 6-A-25x25 | Rectangular | 25 mm × 25 mm | Self-adhesive | Plastic |
| 50110192 | REF 6-A-50x50 | Rectangular | 50 mm × 50 mm | Self-adhesive | Plastic |
| 50111829 | REF 6-A-77x77 | Rectangular | 77 mm × 77 mm | Self-adhesive | Plastic |

Further reflective tapes can be found on our website

/// Reflective tapes for distance sensors



Reflective foils in various dimensions for distance sensors, various models as foil, mounted on mounting plate or even with heating.



Direct access to the online product selector at www.leuze.com/en/refl-fo-distance

| Part no. | Part description | Design | Reflective surface | Fastening | Special design |
|----------|-----------------------------|-------------|--------------------|---------------------------------------|----------------|
| 50111527 | REF 7-A-100x100 | Rectangular | 100 mm × 100 mm | Self-adhesive | |
| 50115020 | Reflective tape 200x200mm-H | Rectangular | 200 mm × 200 mm | Mounting plate, through-hole mounting | Heating |
| 50104364 | Reflective tape 200x200mm-M | Rectangular | 200 mm × 200 mm | Through-hole mounting, mounting plate | |
| 50104361 | Reflective tape 200x200mm-S | Rectangular | 200 mm × 200 mm | Adhesive | |
| 50116687 | REF 7-A-200x300 | Rectangular | 300 mm × 200 mm | Self-adhesive | |
| 50115021 | Reflective tape 500x500mm-H | Rectangular | 500 mm × 500 mm | Mounting plate, through-hole mounting | Heating |
| 50104365 | Reflective tape 500x500mm-M | Rectangular | 500 mm × 500 mm | Through-hole mounting, mounting plate | |
| 50104362 | Reflective tape 500x500mm-S | Rectangular | 500 mm × 500 mm | Adhesive | |
| 50104363 | Reflective tape 749x914mm-S | Rectangular | 749 mm × 914 mm | Adhesive | |
| 50115022 | Reflective tape 914x914mm-H | Rectangular | 914 mm × 914 mm | Mounting plate, through-hole mounting | Heating |
| 50104366 | Reflective tape 914x914mm-M | Rectangular | 914 mm × 914 mm | Through-hole mounting, mounting plate | |
| 50108988 | Reflective tape 914x914mm-S | Rectangular | 914 mm × 914 mm | Adhesive | |
| 50115444 | REF 7-A-1000x600 | Rectangular | 1,000 mm × 600 mm | Self-adhesive | |

Further reflective tapes can be found on our website

/ ALIGNMENT AIDS

KEEPING SIGHT OF THE TARGET

Sensor alignment is generally very unproblematic and can even easily be performed without additional tools. For some devices and application cases, it can still sometimes be helpful to make use of one of our alignment aids.



Direct access to the online product selector at www.leuze.com/en/alignment-aids

| Part no. | Part description | Light source | Housing material |
|----------|------------------|--------------|------------------|
| 520101 | AC-ALM-M | | Plastic |
| 50080537 | ARR 10 | Laser, red | Metal |
| 50040739 | ARR 46 | Laser, red | Metal |
| 50129659 | ARR 46C | Laser, red | Metal |
| 50129660 | ARR 49C | Laser, red | Metal |
| 50080502 | ARR 96 | Laser, red | Metal |
| 549000 | LA-78 | Laser, red | Metal |
| 520023 | LA-78M | Laser, red | Metal |
| 520024 | LA-78M-UDC | Laser, red | Metal |
| 560020 | LA-78U | Laser, red | Metal |
| 520004 | LA-78UDC | Laser, red | Metal |
| 50109545 | SAT 5 | | Metal |

SMARTER CUSTOMER SERVICE



Product selector

Intuitive web applications for convenient product selection



The appropriate product for every application: www.leuze.com/en/products

"Our goal is to further focus our performance and offer our customers something that they can only find from the sensor people – smart sensor business"

Ann-Kathrin Waldow,
Sales Methods, Processes, Tools



Switching sensors

Measuring sensors

Products for safety at work

Identification

Data transmission / Control components

Industrial image processing

Accessories

/ BAR CODE TAPES

BAR FOR BAR, FOR MORE PRECISION

Bar code positioning systems use bar code tapes to determine positions with millimeter accuracy. For our systems, we offer such tapes in standard lengths from 30 mm to 200 m. In addition, special lengths of up to 10 km are possible. The self-adhesive plastic tape is UV resistant, extremely resilient and mechanically durable.



Direct access to the online product selector at www.leuze.com/en/bar-code-tapes

| Part no. | Part description | Suitable for | Dimensions | Grid dimension |
|----------|------------------|---|--------------------|----------------|
| 50040041 | BCB 010 | Bar code positioning system, BPS 300i series | 47 mm × 10,000 mm | 40 mm |
| 50037489 | BCB 020 | Bar code positioning system, BPS 300i series | 47 mm × 20,000 mm | 40 mm |
| 50038894 | BCB 050 | Bar code positioning system, BPS 300i series | 47 mm × 50,000 mm | 40 mm |
| 50104792 | BCB 8 010 | BPS 8 series bar code positioning system, BPS 300i series bar code positioning system | 47 mm × 10,000 mm | 30 mm |
| 50104793 | BCB 8 020 | BPS 8 series bar code positioning system, BPS 300i series bar code positioning system | 47 mm × 20,000 mm | 30 mm |
| 50104796 | BCB 8 050 | BPS 8 series bar code positioning system, BPS 300i series bar code positioning system | 47 mm × 50,000 mm | 30 mm |
| 50104803 | BCB 8 120 | BPS 8 series bar code positioning system, BPS 300i series bar code positioning system | 47 mm × 120,000 mm | 30 mm |

Further bar code tapes can be found on our website

SMARTER APPLICATION KNOW-HOW



Positioning

Sensor technology for quick positioning accurate down to the millimeter



Trade shows

Reliable systems for 2D- and 3D-measurement of distances and objects



Safeguarding

Economical solutions in all areas of safety at work



Identification

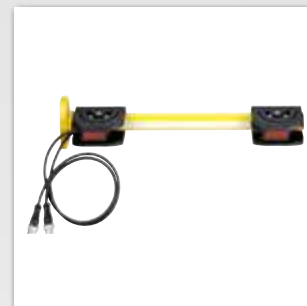
Innovative code readers and RFID systems

Additional application highlights can be found under: www.leuze.com/en/practice

/ MUTING MOUNTING SYSTEMS

SAFETY RIGHT OFF THE SHELF

These preassembled systems simplify the creation of your own muting solutions. They can be easily attached to columns and safety sensors.

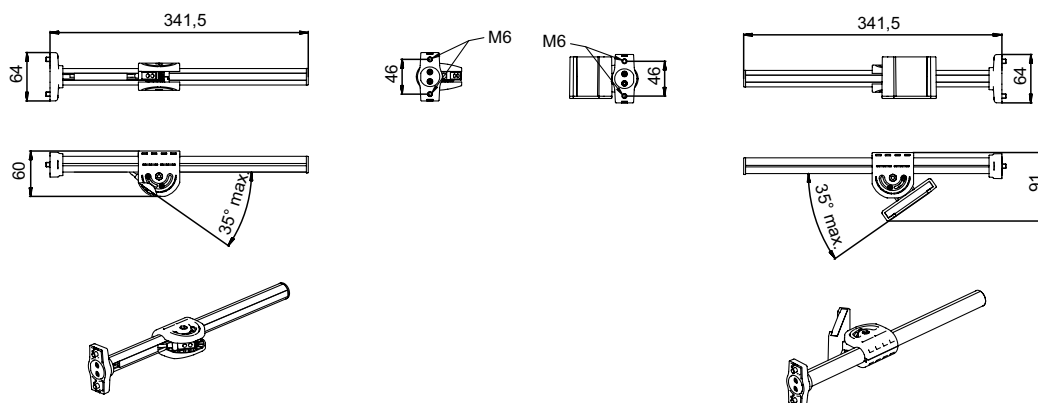


Direct access to the online product selector at www.leuze.com/en/muting-mounting

| Part no. | Part description | Operating range | Number of muting sensors | Type of muting sensors | Cable length of muting sensors | Number of reflectors | Muting type |
|----------|------------------|-----------------|--------------------------|--|--------------------------------|----------------------|-------------------------------------|
| 426506 | Set-AC-MTX.2-1S | 0 ... 8 m | 1x | PRK 25B retro-reflective photoelectric sensors | 2,000 mm | 1x | |
| 426490 | Set-AC-ML-2SA | 0 ... 4 m | 2x | Retro-reflective photoelectric sensors PRK 3B | 300 mm | 2x | Sequence controlled 2-sensor muting |
| 426491 | Set-AC-ML-2SB | 0 ... 4 m | 2x | Retro-reflective photoelectric sensors PRK 3B | 300 mm | 2x | Sequence controlled 2-sensor muting |
| 426494 | Set-AC-MT-2S | 0 ... 4 m | 2x | Retro-reflective photoelectric sensors PRK 3B | 300 mm | 2x | Timing controlled 2-sensor muting |
| 426524 | Set-AC-MTX-2S | 0 ... 8 m | 2x | PRK 25B retro-reflective photoelectric sensors | 300 mm | 2x | Timing controlled 2-sensor muting |
| 426520 | Set-AC-MLX-2SA | 0 ... 8 m | 2x | PRK 25B retro-reflective photoelectric sensors | 700 mm | 2x | Sequence controlled 2-sensor muting |
| 426521 | Set-AC-MLX-2SB | 0 ... 8 m | 2x | PRK 25B retro-reflective photoelectric sensors | 700 mm | 2x | Sequence controlled 2-sensor muting |
| 426526 | Set-AC-MLX.2-2SA | 0 ... 8 m | 2x | PRK 25B retro-reflective photoelectric sensors | 2,000 mm | 2x | Sequence controlled 2-sensor muting |
| 426527 | Set-AC-MLX.2-2SB | 0 ... 8 m | 2x | PRK 25B retro-reflective photoelectric sensors | 2,000 mm | 2x | Sequence controlled 2-sensor muting |
| 426529 | Set-AC-MTX.2-2S | 0 ... 8 m | 2x | PRK 25B retro-reflective photoelectric sensors | 2,000 mm | 2x | Timing controlled 2-sensor muting |
| 426492 | Set-AC-MT-4S | 0 ... 4 m | 4x | Retro-reflective photoelectric sensors PRK 3B | 300 mm | 4x | Timing controlled 4-sensor muting |
| 426522 | Set-AC-MTX-4S | 0 ... 8 m | 4x | PRK 25B retro-reflective photoelectric sensors | 300 mm | 4x | Timing controlled 4-sensor muting |

Further muting mounting systems can be found on our website

Dimensioned drawings: Muting mounting systems



Muting sensor set for timing controlled 2-sensor muting

Switching
sensors

Measuring
sensors

Products for
safety at work

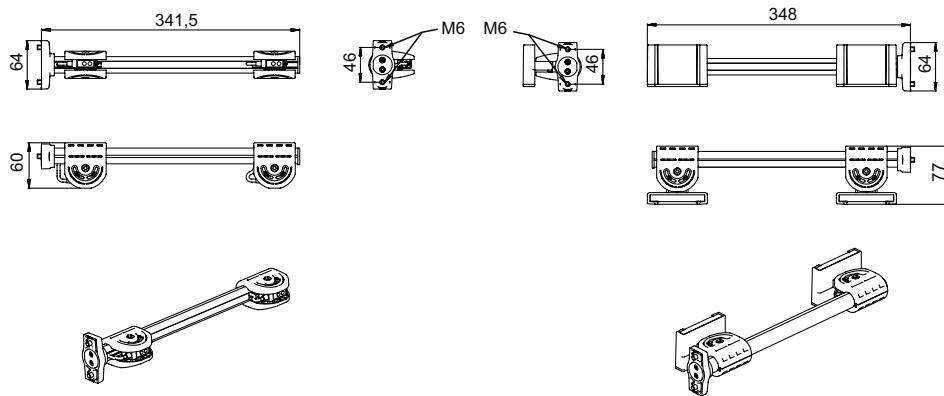
Identification

Data transmission /
Control components

Industrial image
processing

Accessories

Dimensioned drawings: Muting mounting systems



Muting sensor set for timing controlled 4-sensor muting

SMARTER APPLICATION KNOW-HOW

Our many years of experience –
Your extensive knowledge about
safety at work

- Safety seminars
- Standards workshops
- Product training courses

*"In our seminars you will acquire
compact knowledge about safety
at work. A day that is well worth
your while!"*

Markus Erdorf,
Safety Consultant and Trainer



Select the seminar you need and register directly at www.leuze.com/en/seminars

