

SERIES SELECTION TABLE

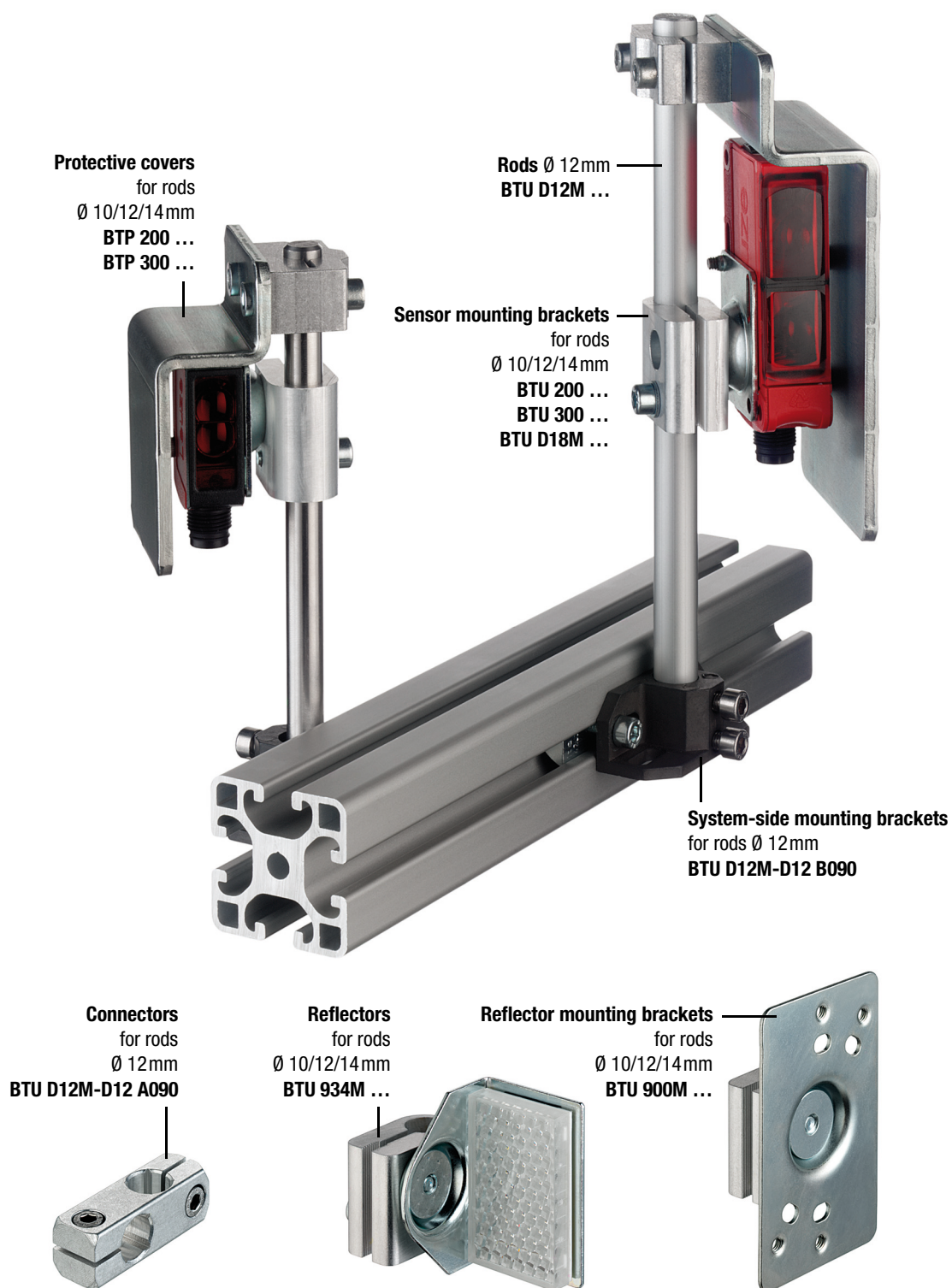
Series	Mounting systems			Other accessories				Page
	Mounting bracket	Mounting system	Mounting clamp	Protective cover	Alignment aid	Diaphragms	Other, series-specific accessories	
 2	•						•	634
 3B	•	•		•			•	629
 5	•	•		•			•	629
 53		•					•	639
 55	•	•					•	629
 25B	•	•		•	•		•	629
 28	•	•		•			•	629
 18	•	•		•			•	629
 8	•	•	•	•	•	•	•	629
 95	•	•					•	639
 46B	•	•		•	•		•	629
 96	•	•			•		•	640

MOUNTING SYSTEMS / OTHER ACCESSORIES

Series	Mounting systems			Other accessories				Page
	Mounting bracket	Mounting system	Mounting clamp	Protective cover	Alignment aid	Diaphragms	Other, series-specific accessories	
 IS 206			•					643
 IS 208	•		•					643
 412 / IS 212	•		•				•	632
 318 / 618 / IS 218	•	•	•			•	•	632
 430 / IS 230	•		•					632
 IS 288			•					643
 ODSL 9	•	•		•				629
 ROD 4					•			644
 GS 61 / GS 63							•	644
 GSU 14C							•	644
 KRTM 20 / CRT 20B / LRT 8		•					•	629
 CML 720	•		•				•	646
 KONTURflex	•		•			•	•	647

ACCESSORIES / MOUNTING SYSTEMS / OTHER

Overview of universal rod mounting system



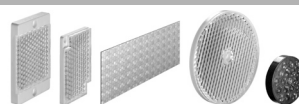
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Reflectors
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ROD MOUNTING SYSTEM

Dimensioned drawing	Part description Part No.:	Feature
System-side mounting brackets for rods		
	BTU D12M - D12 - B090 50119333	Mounting bracket for rods Ø 12 mm, system-side mounting bracket 2 x M6, hole spacing 27 mm ... 45 mm, diecast aluminum
Rods / connectors		
	BTU D12M.5 - 045 - M8 50119325	Rod Ø 12 mm, length 45 mm, stainless steel, with a front M8 thread / 10 mm deep, stainless steel
	BTU D12M.5 - 150 50119323	Rod Ø 12 mm, length 150 mm, stainless steel
	BTU D12M.5 - 250 50119324	Rod Ø 12 mm, length 250 mm, stainless steel
	BTU D12M - D12 - A090 50119334	90°-connectors for 2 rods Ø 12 mm
Sensor mounting bracket for rod mounting		
	BTU 200M - D10 50117256	Sensor mounting bracket for rod Ø 10 mm or cheek 1.5 ... 4 mm, for series 3B, 5, 18, 25B, 28, 55
	BTU 200M - D12 50117255	Sensor mounting bracket for rod Ø 12 mm or cheek 1.5 ... 4 mm, for series 3B, 5, 18, 25B, 28, 55
	BTU 200M - D14 50117254	Sensor mounting bracket for rod Ø 14 mm or cheek 1.5 ... 4 mm, for series 3B, 5, 18, 25B, 28, 55
	BTU 300M - D10 50117253	Sensor mounting bracket for rod Ø 10 mm or cheek 1.5 ... 4 mm, for series 8, 9, 46B, LRT 8
	BTU 300M - D12 50117252	Sensor mounting bracket for rod Ø 12 mm or cheek 1.5 ... 4 mm, for series 8, 9, 46B, LRT 8
	BTU 300M - D14 50117251	Sensor mounting bracket for rod Ø 14 mm or cheek 1.5 ... 4 mm, for series 8, 9, 46B, LRT 8

ACCESSORIES / MOUNTING SYSTEMS / OTHER

Dimensioned drawing	Part description Part No.:	Feature
Sensor mounting bracket for rod mounting		
	BTU D18M - D12 50117490	Sensor mounting bracket for rod Ø 12mm or cheek 1.5 ... 4mm, for series 318(B), 418, 618, IS 218
Reflector mounting brackets for rod mounting		
	BTU 900M - D10 50119332	Reflector mounting bracket for rod Ø 10mm or cheek 1.5 ... 4mm, for reflectors (M)TKS 30x50, (M)TKS 40x60, TKS 50x50
	BTU 900M - D12 50119331	Reflector mounting bracket for rod Ø 12mm or cheek 1.5 ... 4mm, for reflectors (M)TKS 30x50, (M)TKS 40x60, TKS 50x50
	BTU 900M - D14 50119330	Reflector mounting bracket for rod Ø 14mm or cheek 1.5 ... 4mm, for reflectors (M)TKS 30x50, (M)TKS 40x60, TKS 50x50
Reflectors for rod mounting		
	BTU 934M - D10 - 90 50120011	Reflector for rod Ø 10mm or cheek 1.5 ... 4mm, with reflector TKA 30x46 (see p.665)
	BTU 934M - D12 - 90 50120019	Reflector for rod Ø 12mm or cheek 1.5 ... 4mm, with reflector TKA 30x46 (see p.665)
	BTU 934M - D14 - 90 50120010	Reflector for rod Ø 14mm or cheek 1.5 ... 4mm, with reflector TKA 30x46 (see p.665)

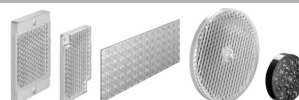
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ROD MOUNTING SYSTEM

Dimensioned drawing	Part description Part No.:	Feature
Sensor protective covers for rod mounting		
	BTP 200M - D10 50117830	Sensor protective cover for rod Ø 10mm or cheek 1.5 ... 4mm, for series 3B, 5, 18, 25B, 28, 55
	BTP 200M - D12 50117829	Sensor protective cover for rod Ø 12mm or cheek 1.5 ... 4mm, for series 3B, 5, 18, 25B, 28, 55
	BTP 200M - D14 50117828	Sensor protective cover for rod Ø 14mm or cheek 1.5 ... 4mm, for series 3B, 5, 18, 25B, 28, 55
	BTP 300M - D10 50117827	Sensor protective cover for rod Ø 10mm or cheek 1.5 ... 4mm, for series 8, 9, 46B, LRT 8
	BTP 300M - D12 50117826	Sensor protective cover for rod Ø 12mm or cheek 1.5 ... 4mm, for series 8, 9, 46B, LRT 8
	BTP 300M - D14 50117825	Sensor protective cover for rod Ø 14mm or cheek 1.5 ... 4mm, for series 8, 9, 46B, LRT 8

Ex
Sensors

AS-interface
Sensors

Accessories

Services

Optical Sensor
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Inductive Switch
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Fiber optic
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ACCESSORIES / MOUNTING SYSTEMS / OTHER

Dimensioned drawing	Part description Part No.:	Feature
Sensor mounting bracket		
	BT 200M.5 50118542	Mounting bracket, stainless steel, for series 3B, 5, 25B, 28, 55 sensors
	BT 300M.5 50118543	Mounting bracket, stainless steel, for series 8, 9, 46B, LRT 8 sensors
	BT D12M.5 50113549	Mounting bracket, stainless steel, for series 412, IS 212 cylindrical sensors
	BT D18M.5 50113548	Mounting bracket, stainless steel, for series 318(B), 418, 618, IS 218 cylindrical sensors
	BT D30M.5 50113510	Mounting bracket, stainless steel, for series 430, IS 230 cylindrical sensors

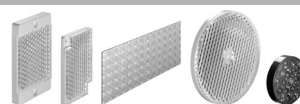
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UNIVERSAL MOUNTING DEVICES / OTHER

Dimensioned drawing	Part description Part No.:	Feature
Mounting clamp for cylindrical sensors		
	MC 012K 50111499	Mounting clamp without limit stop, for series 412, IS 212 cylindrical sensors $\varnothing A = 12\text{mm}$, $B = 9.75\text{mm}$, $C = 9\text{mm}$, $D = 18\text{mm}$
	MC 012K - LS 50111500	Mounting clamp with limit stop, for series 412, IS 212 cylindrical sensors $\varnothing A = 12\text{mm}$, $B = 9.75\text{mm}$, $C = 9\text{mm}$, $D = 18\text{mm}$
	MC 018K 50111501	Mounting clamp without limit stop, for series 318(B), 418, 618, IS 218 cylindrical sensors $\varnothing A = 18\text{mm}$, $B = 12.85\text{mm}$, $C = 12\text{mm}$, $D = 24\text{mm}$
	MC 018K - LS 50111502	Mounting clamp with limit stop, for series 318(B), 418, 618, IS 218 cylindrical sensors $\varnothing A = 18\text{mm}$, $B = 12.85\text{mm}$, $C = 12\text{mm}$, $D = 24\text{mm}$
	MC 030K 50111503	Mounting bracket without limit stop, for series 430, IS 230 cylindrical sensors
	MC 030K - LS 50111504	Mounting bracket with limit stop, for series 430, IS 230 cylindrical sensors
Material of all MC 0...K mounting clamps: polyamide (PA 66)		
Mechanical-optical alignment aid		
	SAT 5 50109545	Sensorscope - mechanical-optical alignment aid, suitable for throughbeam- and safety-throughbeam photoelectric sensors

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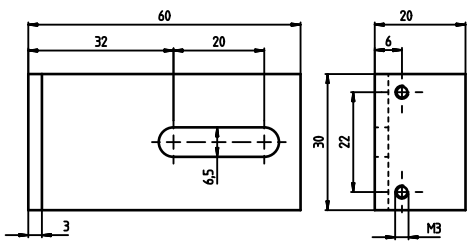
Services

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ACCESSORIES / MOUNTING SYSTEMS / OTHER

Dimensioned drawing	Part description Part No.:	Feature
2 Series		
	BT 002M.5 50112206	Mounting bracket
3B Series		
	BT 3 50060511	Mounting bracket
	BT 3.1 50105585	Retaining clip + 2 oval-head screws M3 x 16
	BT 3.5 50111830	Retaining clip + 2 oval-head screws M3 x 16, stainless steel model
	BT 3B 50105546	Mounting bracket + retaining clip + 2 oval-head screws M3 x 16
	BT 3.2 50103844	Adapter plate for alternate mounting of 3B Series sensors on 25.4 mm hole spacing
	BT 003M.1 50115197	Mounting bracket

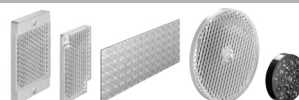
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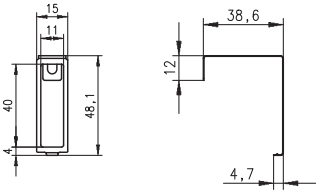
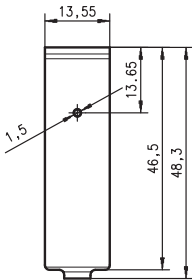


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SERIES-SPECIFIC ACCESSORIES

Dimensioned drawing	Part description Part No.:	Feature
8 Series		
	BT 8 50036195	Mounting bracket
	BT 8 - 0 50036196	Mounting block for dovetail
	BT 8 - ARH 50035030	Mounting/alignment system for laser sensors
	BS 8 50041067	Control guard
	BL 8 50040279	Pin diaphragm

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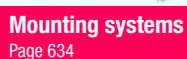
Accessories

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SERIES-SPECIFIC ACCESSORIES

Dimensioned drawing	Part description Part No.:	Feature
25B Series		
	BT 25 50040269	Mounting bracket
	PRKL 25B - S12 50108005	Laser pointer, can be used as alignment aid

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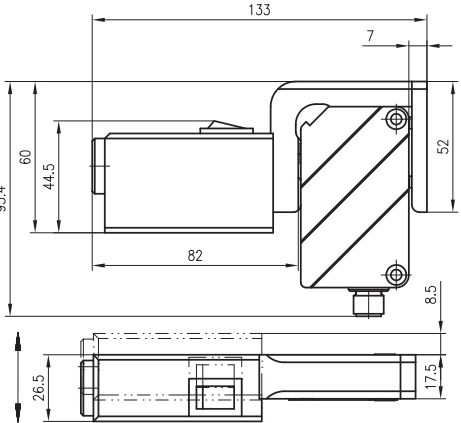
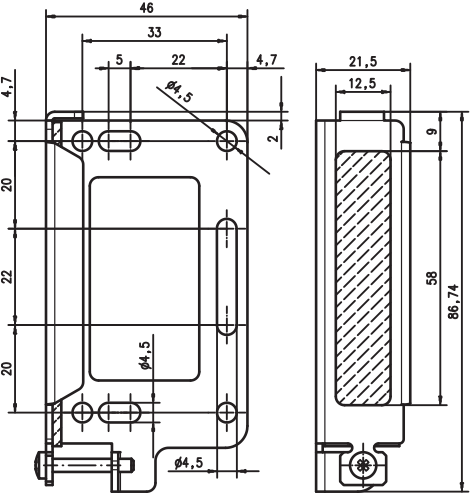
Services

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ACCESSORIES / MOUNTING SYSTEMS / OTHER

Dimensioned drawing	Part description Part No.:	Feature
46B Series		
	BT 46 50105315	Mounting bracket
	ARH 46 50040739	Alignment aid
	SG 46 50117243	Protective glass, consisting of a metal frame with glass included, snap-in mounting

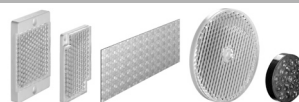
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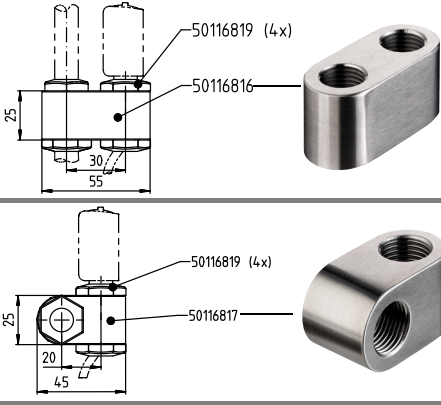
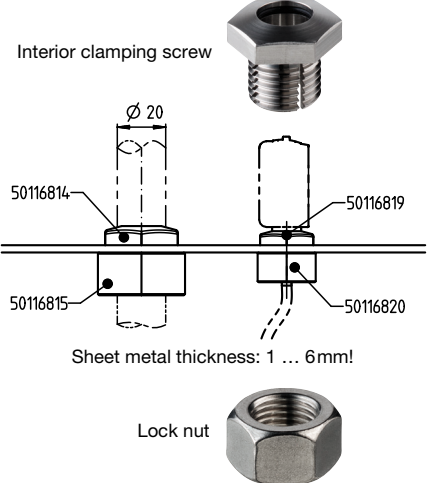


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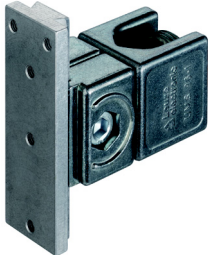


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SERIES-SPECIFIC ACCESSORIES

Dimensioned drawing	Part description Part No.:	Feature
53 Series		
	BTU 053M.5F - D12 - A180 50116816	Mounting system for D = 12mm rod for parallel connection of rod and sensor or of two stainless steel 316L rods
	BTU 053M.5F - D12 - A090 50116817	Mounting system for D = 12mm rod for 90° connection of rod and sensor or of two stainless steel 316L rods
	BTU 053M.5F - D20 - SS 50116814	M24x1.5 interior clamping screw for stainless steel 316L rod/pipe with D = 20mm, FPM/black double seal
	BTU 053M.5F - D20 - N 50116815	Lock nut for M24x1.5 interior clamping screw for stainless steel 316L rod/pipe with D = 20mm
	BTU 053M.5F - D12 - SS 50116819	M16x1.5 interior clamping screw for stainless steel 316L rod/53 series sensor with D = 12mm, FPM/black double seal
	BTU 053M.5F - D12 - N 50116820	Lock nut for M16x1.5 interior clamping screw for stainless steel 316L rod/53 series sensor with D = 12mm
95 Series		
	BT 95 50020833	Mounting bracket

ACCESSORIES / MOUNTING SYSTEMS / OTHER

Dimensioned drawing	Part description Part No.:	Feature
95 Series		
	UMS 96 - 95 50080334	Mounting system
96 Series		
	BT 96 50025570	Mounting bracket
	BT 96.1 50080614	Mounting device
	BT 96.4 50032319	Mounting bracket

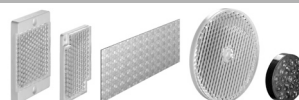
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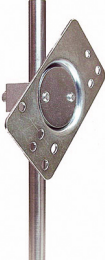
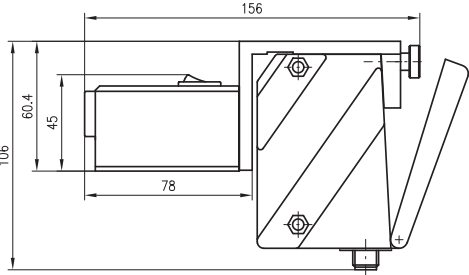


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SERIES-SPECIFIC ACCESSORIES

Dimensioned drawing	Part description Part No.:	Feature
96 Series		
	BT 450.1 - 96 50082084	Through-hole mount for rod D = 10mm
	BT 450.3 - 96 50104897	Through-hole mount for rod D = 12mm
	UMS 96 50026204	Universal mounting system
	ARH 96 50080502	Laser alignment aid
318(B) Series		
	BT D21M 50117257	Mounting bracket for the 318B series with sensor holder Ø 21 mm for inclined positioning of the sensors when used with spherical mounting nuts

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SensorsAS-interface
Sensors

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Services

Optical Sensor
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ACCESSORIES / MOUNTING SYSTEMS / OTHER

Dimensioned drawing	Part description Part No.:	Feature
318(B) Series		
BT 318P - LS BT D18M.5 see p.632 BT 318P - LS	BT 318P - LS 50117258	Front diaphragm for nearly flush mounting of 318B series sensors
	BT 318 - ARH 50083189	Mounting/alignment system for laser sensors
	BL 318.1 50082008	Slit diaphragm for 318 Series
US 418.1 US 418.2 A Optical axis	US 418.1 50080130 US 418.2 50080131	90° deflector attachment (open version) for diffuse reflection scanners 90° deflector attachment (closed version)

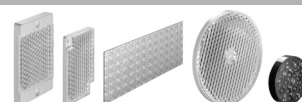
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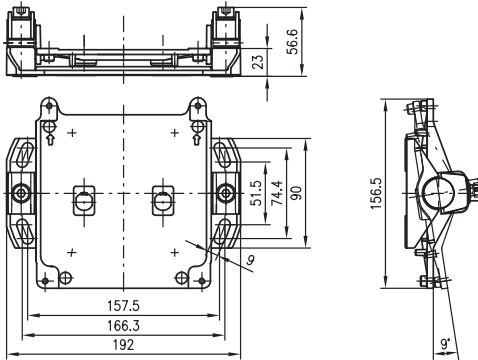
Services

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ACCESSORIES / MOUNTING SYSTEMS / OTHER

Dimensioned drawing	Part description Part No.:	Feature
ROD 4		
	ROD 4 - MS 50038066	Mounting system / mounting plate
Other accessories for optical forked sensors (I)GS 61 / 63		
	BT - GS6X.L 50112215	Mounting device for forked sensors (I)GS 61 / 63
Other accessories for ultrasonic forked sensors GSU 14C		
	FS 14BM.5 50114055	Replacement rail for standard design GSU 14C
	FS 14BML.5 50114056	Extended guide rail for GSU 14C, 260mm long

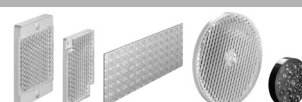
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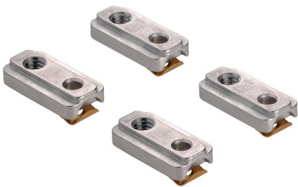
SERIES-SPECIFIC ACCESSORIES

Dimensioned drawing	Part description Part No.:	Feature
KRT... 20 contrast scanners		
	UMS 96 50026204	Universal mounting system
	OB 12 - KRT 20 50034051	Optics 12mm
	OB 20 - KRT 20 50034050	Optics 20mm
	OB 50 - KRT 20 50034049	Optics 50mm
	WZ - OB - KRT 20 50034118	Tool for changing lenses



Mounting systems for optical distance sensors, ultrasonic sensors, fiber optic amplifiers, protective sensors and AS-interface sensors can be found with the mounting accessories for the respective standard sensors.

ACCESSORIES / MOUNTING SYSTEMS / OTHER

Dimensioned drawing	Part description Part No.:	Feature
CML 720 light curtains		
	BT - 4NC 425725	4 sliding blocks
	BT - 2R1 429046	Bracket set 360° (consisting of 2 x BT 360°)
	BT - 2L 429056	L-angle bracket set (consisting of 2 x BT-L)
	BT - 2Z 429057	Z-angle bracket set (consisting of 2 x BT-Z)
	BT - 2P40 424417	Mounting clamp set for mounting in device columns (consisting of 2 x BT-P40)
	BT - 2SSD 429058	2 brackets, L=70mm, swivel by $\pm 8^\circ$, vibration damper, incl. 4 screws/4 sliding blocks
	BT - 2SSD - 270 429049	2 brackets, L=270mm, swiveling, vibration damper, incl. 4 screws/4 sliding blocks

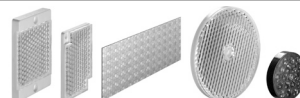
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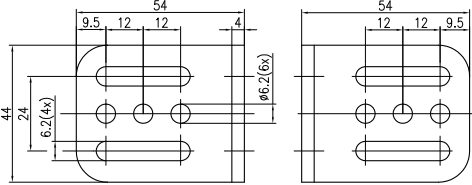


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SERIES-SPECIFIC ACCESSORIES

Dimensioned drawing	Part description Part No.:	Feature
KONTURflex light curtains		
	BT - 2S 560120	2 mounting brackets
	BT - 2SSD 429058	2 brackets, L=70mm, swivel by $\pm 8^\circ$, vibration damper, incl. 4 screws/4 sliding blocks
	BT - 4NC 425725	4 sliding blocks
	KONTURflex-480 diaphragm profile 345914	Pin diaphragm for KONTURflex, measurement field length 480mm
	KONTURflex-640 diaphragm profile 345909	Pin diaphragm for KONTURflex, measurement field length 640mm
	KONTURflex-1280 diaphragm profile 345915	Pin diaphragm for KONTURflex, measurement field length 1280mm
	KONTURflex-1600 diaphragm profile 345916	Pin diaphragm for KONTURflex, measurement field length 1600mm
	KONTURflex-1920 diaphragm profile 345919	Pin diaphragm for KONTURflex, measurement field length 1920mm
	KONTURflex-2560 diaphragm profile 345925	Pin diaphragm for KONTURflex, measurement field length 2560mm

Ex
Sensors

AS-interface
Sensors

Accessories

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ACCESSORIES / CONNECTION TECHNOLOGY

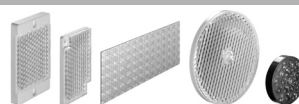
Contact assignment	Part description Part No.:	Feature						
Connection cables with M8 connector, 3-pin socket, open cable end								
 <table data-bbox="237 1050 341 1117"><tr><td>1</td><td>br/BN</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr></table>	1	br/BN	3	bl/BU	4	sw/BK	K - D M8A - 3P - 2m - PVC 50104520	Connection cable 2000 mm, M8 axial, 3-pin, PVC
	1	br/BN						
	3	bl/BU						
	4	sw/BK						
	K - D M8W - 3P - 2m - PVC 50104521	Connection cable 2000 mm, M8 angular, 3-pin, PVC						
	K - D M8A - 3P - 5m - PVC 50104522	Connection cable 5000 mm, M8 axial, 3-pin, PVC						
	K - D M8W - 3P - 5m - PVC 50104523	Connection cable 5000 mm, M8 angular, 3-pin, PVC						
	K - D M8A - 3P - 10m - PVC 50110556	Connection cable 10000 mm, M8 axial, 3-pin, PVC						
	K - D M8W - 3P - 10m - PVC 50110559	Connection cable 10000 mm, M8 angular, 3-pin, PVC						
	K - D M8A - 3P - 2m - PUR 50110555	Connection cable 2000 mm, M8 axial, 3-pin, PUR						
	K - D M8W - 3P - 2m - PUR 50110557	Connection cable 2000 mm, M8 angular, 3-pin, PUR						
	K - D M8A - 3P - 5m - PUR 50106691	Connection cable 5000 mm, M8 axial, 3-pin, PUR						
K - D M8W - 3P - 5m - PUR 50106692	Connection cable 5000 mm, M8 angular, 3-pin, PUR							
K - D M8A - 3P - 10m - PUR 50106693	Connection cable 10000 mm, M8 axial, 3-pin, PUR							
K - D M8W - 3P - 10m - PUR 50110558	Connection cable 10000 mm, M8 angular, 3-pin, PUR							



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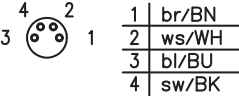


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ACCESSORIES / CONNECTION TECHNOLOGY

Contact assignment	Part description Part No.:	Feature
Connection cables with M8 connector, 4-pin socket, open cable end		
	K - D M8A - 4P - 2m - PVC 50104524	Connection cable 2000mm, M8 axial, 4-pin, PVC
	K - D M8W - 4P - 2m - PVC 50104525	Connection cable 2000mm, M8 angular, 4-pin, PVC
	K - D M8A - 4P - 5m - PVC 50104526	Connection cable 5000mm, M8 axial, 4-pin, PVC
	K - D M8W - 4P - 5m - PVC 50104527	Connection cable 5000mm, M8 angular, 4-pin, PVC
	K - D M8A - 4P - 10m - PVC 50104528	Connection cable 10000mm, M8 axial, 4-pin, PVC
	K - D M8W - 4P - 10m - PVC 50104529	Connection cable 10000mm, M8 angular, 4-pin, PVC
	K - D M8A - 4P - 20m - PVC 50115424	Connection cable 20000mm, M8 axial, 4-pin, PVC
	K - D M8A - 4P - 2m - PUR 50104530	Connection cable 2000mm, M8 axial, 4-pin, PUR
	K - D M8W - 4P - 2m - PUR 50104531	Connection cable 2000mm, M8 angular, 4-pin, PUR
	K - D M8A - 4P - 5m - PUR 50104532	Connection cable 5000mm, M8 axial, 4-pin, PUR
	K - D M8W - 4P - 5m - PUR 50104761	Connection cable 5000mm, M8 angular, 4-pin, PUR
	K - D M8A - 4P - 10m - PUR 50104533	Connection cable 10000mm, M8 axial, 4-pin, PUR
	K - D M8W - 4P - 10m - PUR 50104534	Connection cable 10000mm, M8 angular, 4-pin, PUR

Ex
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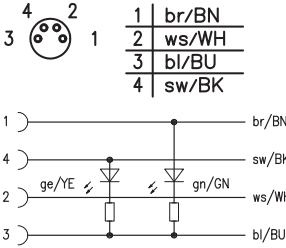
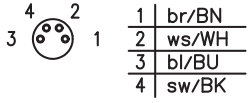
Services

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ABC

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ACCESSORIES / CONNECTION TECHNOLOGY

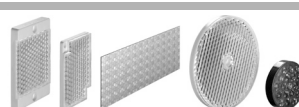
Contact assignment	Part description Part No.:	Feature
Connection cables with M8 connector, 4-pin socket, open cable end, with integrated LEDs		
	K - D M8W - 4P - 2m - DP - PUR 50104535	Connection cable 2000mm, M8 angular, 4-pin, PUR, 2 integrated LEDs (PNP)
	K - D M8W - 4P - 5m - DP - PUR 50104536	Connection cable 5000mm, M8 angular, 4-pin, PUR, 2 integrated LEDs (PNP)
Connection cables with M8 connector, 4-pin socket, open cable end, for the food and beverage industries		
	K - D M8A - 4P - 2m - FAB 50106152	Connection cable 2000mm, M8 axial, 4-pin, PVC, Food & Beverage version
	K - D M8W - 4P - 2m - FAB 50106154	Connection cable 2000mm, M8 angular, 4-pin, PVC, Food & Beverage version
	K - D M8A - 4P - 5m - FAB 50106153	Connection cable 5000mm, M8 axial, 4-pin, PVC, Food & Beverage version
	K - D M8W - 4P - 5m - FAB 50106155	Connection cable 5000mm, M8 angular, 4-pin, PVC, Food & Beverage version
	K - D M8A - 4P - 10m - FAB 50110274	Connection cable 10000mm, M8 axial, 4-pin, PVC, Food & Beverage version
	K - D M8W - 4P - 10m - FAB 50110273	Connection cable 10000mm, M8 angular, 4-pin, PVC, Food & Beverage version



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Contact assignment	Part description Part No.:	Feature
Connection cables with M12 connector, 3-pin socket, open cable end		
	K - D M12A - 3P - 2m - PVC 50104538	Connection cable 2000 mm, M12 axial, 3-pin, PVC
	K - D M12W - 3P - 2m - PVC 50104539	Connection cable 2000 mm, M12 angular, 3-pin, PVC
	K - D M12A - 3P - 5m - PVC 50104540	Connection cable 5000 mm, M12 axial, 3-pin, PVC
	K - D M12W - 3P - 5m - PVC 50104541	Connection cable 5000 mm, M12 angular, 3-pin, PVC

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SensorsAS-interface
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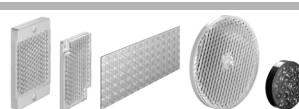
Contact assignment	Part description Part No.:	Feature
Connection cables with M12 connector, 4-pin socket, open cable end		
 3 4 2 5 1 1 br/BN 2 ws/WH 3 bl/BU 4 sw/BK 5 Blindloch/ dummy hole	K - D M12A - 4P - 2m - PVC 50104542	Connection cable 2000mm, M12 axial, 4-pin, PVC
	K - D M12W - 4P - 2m - PVC 50104543	Connection cable 2000mm, M12 angular, 4-pin, PVC
	K - D M12A - 4P - 5m - PVC 50104544	Connection cable 5000mm, M12 axial, 4-pin, PVC
	K - D M12W - 4P - 5m - PVC 50104545	Connection cable 5000mm, M12 angular, 4-pin, PVC
	K - D M12A - 4P - 10m - PVC 50104546	Connection cable 10000mm, M12 axial, 4-pin, PVC
	K - D M12W - 4P - 10m - PVC 50104547	Connection cable 10000mm, M12 angular, 4-pin, PVC
	K - D M12A - 4P - 20m - PVC 50104753	Connection cable 20000mm, M12 axial, 4-pin, PVC
	K - D M12W - 4P - 20m - PVC 50113473	Connection cable 20000mm, M12 angular, 4-pin, PVC



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Contact assignment	Part description Part No.:	Feature
Connection cables with M12 connector, 4-pin socket, open cable end		
 3 4 2 1 5 1 2 3 4 5 br/BN ws/WH bl/BU sw/BK Blindloch/ dummy hole	K - D M12A - 4P - 2m - PUR 50104561	Connection cable 2000mm, M12 axial, 4-pin, PUR
	K - D M12W - 4P - 2m - PUR 50104562	Connection cable 2000mm, M12 angular, 4-pin, PUR
	K - D M12A - 4P - 5m - PUR 50104563	Connection cable 5000mm, M12 axial, 4-pin, PUR
	K - D M12W - 4P - 5m - PUR 50104564	Connection cable 5000mm, M12 angular, 4-pin, PUR
	K - D M12A - 4P - 10m - PUR 50104565	Connection cable 10000mm, M12 axial, 4-pin, PUR
	K - D M12W - 4P - 10m - PUR 50104566	Connection cable 10000mm, M12 angular, 4-pin, PUR
Connection cables for intrinsically safe circuits with M12 connector, 4-pin socket, open cable end		
 3 4 2 1 5 1 2 3 4 5 br/BN ws/WH bl/BU sw/BK Blindloch/ dummy hole	BK7 KB - 092 - 5000 - 4A Ex 50113400	Connection cable 5000mm for intrinsically safe circuits, blue, M12 axial, 4-pin
	BK7 KB - 092 - 5000 - 4 Ex 50113399	Connection cable 5000mm for intrinsically safe circuits, blue, M12 angular, 4-pin

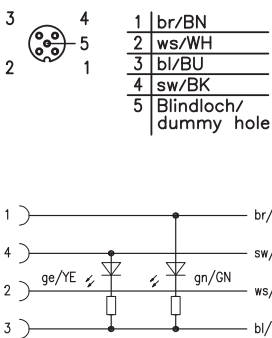
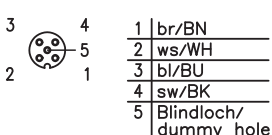
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ACCESSORIES / CONNECTION TECHNOLOGY

Contact assignment	Part description Part No.:	Feature
Connection cables with M12 connector, 4-pin socket, open cable end, with integrated LEDs		
 Pinout diagram for M12 4-pin socket: 1: br/BN 2: ws/WH 3: bl/BU 4: sw/BK 5: Blindloch/dummy hole	K - D M12A - 4P - 2m - DP - PUR 50104548	Connection cable 2000mm, M12 axial, 4-pin, PUR, 2 integrated LEDs (PNP)
	K - D M12W - 4P - 2m - DP - PUR 50104549	Connection cable 2000mm, M12 angular, 4-pin, PUR, 2 integrated LEDs (PNP)
	K - D M12A - 4P - 5m - DP - PUR 50104550	Connection cable 5000mm, M12 axial, 4-pin, PUR, 2 integrated LEDs (PNP)
	K - D M12W - 4P - 5m - DP - PUR 50104551	Connection cable 5000mm, M12 angular, 4-pin, PUR, 2 integrated LEDs (PNP)
	K - D M12A - 4P - 10m - DP - PUR 50104552	Connection cable 10000mm, M12 axial, 4-pin, PUR, 2 integrated LEDs (PNP)
	K - D M12W - 4P - 10m - DP - PUR 50104553	Connection cable 10000mm, M12 angular, 4-pin, PUR, 2 integrated LEDs (PNP)
Connection cables with M12 connector, 4-pin socket, open cable end, for the food and beverage industries		
 Pinout diagram for M12 4-pin socket: 1: br/BN 2: ws/WH 3: bl/BU 4: sw/BK 5: Blindloch/dummy hole	K - D M12A - 4P - 2m - FAB 50104570	Connection cable 2000mm, M12 axial, 4-pin, PVC, Food & Beverage version
	K - D M12W - 4P - 2m - FAB 50104571	Connection cable 2000mm, M12 angular, 4-pin, PVC, Food & Beverage version
	K - D M12A - 4P - 5m - FAB 50104572	Connection cable 5000mm, M12 axial, 4-pin, PVC, Food & Beverage version
	K - D M12W - 4P - 5m - FAB 50104573	Connection cable 5000mm, M12 angular, 4-pin, PVC, Food & Beverage version
	K - D M12A - 4P - 10m - FAB 50112960	Connection cable 10000mm, M12 axial, 4-pin, PVC, Food & Beverage version
	K - D M12W - 4P - 10m - FAB 50112961	Connection cable 10000mm, M12 angular, 4-pin, PVC, Food & Beverage version

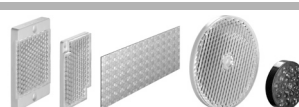
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Contact assignment	Part description Part No.:	Feature										
Connection cables with M12 connector, 5-pin socket, open cable end												
 <table><tr><td>1</td><td>br/BN</td></tr><tr><td>2</td><td>ws/WH</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr><tr><td>5</td><td>gr/GY</td></tr></table>	1	br/BN	2	ws/WH	3	bl/BU	4	sw/BK	5	gr/GY	K - D M12A - 5P - 2m - PVC 50104555	Connection cable 2000mm, M12 axial, 5-pin, PVC
	1	br/BN										
	2	ws/WH										
	3	bl/BU										
	4	sw/BK										
	5	gr/GY										
	K - D M12W - 5P - 2m - PVC 50104556	Connection cable 2000mm, M12 angular, 5-pin, PVC										
	K - D M12A - 5P - 5m - PVC 50104557	Connection cable 5000mm, M12 axial, 5-pin, PVC										
	K - D M12W - 5P - 5m - PVC 50104558	Connection cable 5000mm, M12 angular, 5-pin, PVC										
	K - D M12A - 5P - 10m - PVC 50104559	Connection cable 10000mm, M12 axial, 5-pin, PVC										
K - D M12W - 5P - 10m - PVC 50104560	Connection cable 10000mm, M12 angular, 5-pin, PVC											
K - D M12A - 5P - 2m - PUR 50104567	Connection cable 2000mm, M12 axial, 5-pin, PUR											
K - D M12W - 5P - 2m - PUR 50104568	Connection cable 2000mm, M12 angular, 5-pin, PUR											
K - D M12A - 5P - 5m - PUR 50104569	Connection cable 5000mm, M12 axial, 5-pin, PUR											
K - D M12W - 5P - 5m - PUR 50104762	Connection cable 5000mm, M12 angular, 5-pin, PUR											

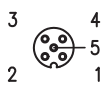
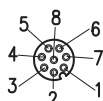
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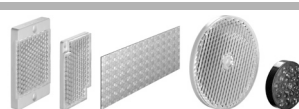
Contact assignment	Part description Part No.:	Feature																
Connection cables with M12 connector, 5-pin socket, open cable end, for the food and beverage industries																		
 <table><tr><td>1</td><td>br/BN</td></tr><tr><td>2</td><td>ws/WH</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr><tr><td>5</td><td>gr/GY</td></tr></table>	1	br/BN	2	ws/WH	3	bl/BU	4	sw/BK	5	gr/GY	K - D M12A - 5P - 2m - FAB 50104574	Connection cable 2000mm, M12 axial, 5-pin, PVC, Food & Beverage version						
	1	br/BN																
	2	ws/WH																
	3	bl/BU																
4	sw/BK																	
5	gr/GY																	
K - D M12W - 5P - 2m - FAB 50104575	Connection cable 2000mm, M12 angular, 5-pin, PVC, Food & Beverage version																	
K - D M12A - 5P - 5m - FAB 50104576	Connection cable 5000mm, M12 axial, 5-pin, PVC, Food & Beverage version																	
K - D M12W - 5P - 5m - FAB 50104577	Connection cable 5000mm, M12 angular, 5-pin, PVC, Food & Beverage version																	
Connection cables with M12 connector, 8-pin socket, open cable end																		
 <table><tr><td>1</td><td>ws/WH</td></tr><tr><td>2</td><td>br/BN</td></tr><tr><td>3</td><td>gn/GN</td></tr><tr><td>4</td><td>ge/YE</td></tr><tr><td>5</td><td>gr/GY</td></tr><tr><td>6</td><td>rs/PK</td></tr><tr><td>7</td><td>bl/BU</td></tr><tr><td>8</td><td>rt/RD</td></tr></table>	1	ws/WH	2	br/BN	3	gn/GN	4	ge/YE	5	gr/GY	6	rs/PK	7	bl/BU	8	rt/RD	K - D M12A - 8P - 2m - PUR 50104591	Connection cable 2000mm, M12 axial, 8-pin, shielded, PUR
	1	ws/WH																
	2	br/BN																
	3	gn/GN																
4	ge/YE																	
5	gr/GY																	
6	rs/PK																	
7	bl/BU																	
8	rt/RD																	
K - D M12A - 8P - 5m - PUR 50104590	Connection cable 5000mm, M12 axial, 8-pin, shielded, PUR																	
K - D M12A - 8P - 10m - PUR 50106882	Connection cable 10000mm, M12 axial, 8-pin, shielded, PUR																	



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Contact assignment	Part description Part No.:	Feature
Adapter cables with M8/M12 connector, 4-pin		
	K - DS M8A - M12A - 4P - 0.3m - PVC 50107276	Adapter line 300mm, axial M8 socket, axial M12 connector, 4-pin, PVC. Simple connection of sensors with M8 connectors to M12 connection technology possible
	K - DS M12A - M8A - 4P - 0.3m - PVC 50116738	Adapter line 300mm, axial M12 socket, axial M8 connector, 4-pin, PVC. Simple connection of sensors with M12 connectors to M8 connection technology possible
Extension cables with M12 connector, 4-pin		
	K - DS M12A - M12A - 4P - 2m - PVC 50110126	2m extension cable, M12 axial socket, M12 axial connector, 4-pin, PVC
	K - DS M12A - M12A - 4P - 5m - PVC 50110125	5m extension cable, M12 axial socket, M12 axial connector, 4-pin, PVC
	K - DS M12A - M12A - 4P - 10m - PVC 50113265	10m extension cable, M12 axial socket, M12 axial connector, 4-pin, PVC
	K - DS M12A - M12A - 4P - 20m - PVC 50111729	20m extension cable, M12 axial socket, M12 axial connector, 4-pin, PVC

3

4

5

2

1

1

2

3

4

5

br/BN

ws/WH

bl/BU

sw/BK

Blindloch/
dummy hole

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Contact assignment	Part description Part No.:	Feature
Connection cables ROD4 and ROD4plus		
	KB - ROD4PC - 3000 50038069	Connection cable between ROD 4 and PC 3000 mm
	KB - ROD4PC - 10000 50038070	Connection cable between ROD 4 and PC 10000 mm
	KB - ROD4 - CP - 5000 50108138	Connection cable 5000 mm for ROD 4-3x, with configuration memory (Config-Plug)
	KB - ROD4 - CP - 10000 50108139	Connection cable 10000 mm for ROD 4-3x, with configuration memory (Config-Plug)
	KB - ROD4 plus - 5000 50106881	Connection cable for ROD 4 plus 5000 mm
	KB - ROD4 plus - 10000 50106906	Connection cable for ROD 4 plus 10000 mm
	KB - ET - 2000 - SA - RJ45 50109880	Ethernet connection cable for ROD 4 plus 2000 mm, M12 axial D-coded to RJ45
	KB - ET - 5000 - SA - RJ45 50109881	Ethernet connection cable for ROD 4 plus 5000 mm, M12 axial D-coded to RJ45
	KB - ET - 10000 - SA - RJ45 50109882	Ethernet connection cable for ROD 4 plus 10000 mm, M12 axial D-coded to RJ45

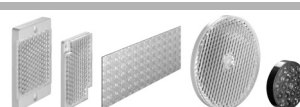
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Contact assignment	Part description Part No.:	Feature
Connection cable for KONTURflex light curtains		
	CB - M12 - 1000S - 5GF/GM 678031	QUATTRO-KT/KR connection cable, length 1 m, shielded
	CB - M12 - 2500S - 5GF/GM 678033	QUATTRO-KT/KR connection cable, length 2.5 m, shielded
	CB - M12 - 5000S - 5GF/GM 678035	QUATTRO-KT/KR connection cable, length 5 m, shielded
	CB - M12 - 10000S - 5GF/GM 678040	QUATTRO-KT/KR connection cable, length 10 m, shielded
	CB - M12 - 15000S - 5GF/GM 678045	QUATTRO-KT/KR connection cable, length 15 m, shielded
	CB - M12 - 20000S - 5GF/GM 678032	QUATTRO-KT/KR connection cable, length 20 m, shielded

Ex
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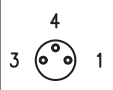
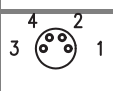
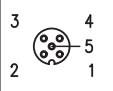
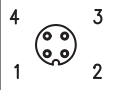
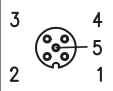
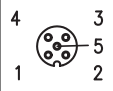
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Contact assignment	Part description Part No.:	Feature										
Connectors, user-configurable												
 <table><tr><td>1</td><td>br/BN</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr></table>	1	br/BN	3	bl/BU	4	sw/BK	D M8A - 3P - SK 50104582	Cable socket, M8 axial, 3-pin, insulation displacement connections, user-configurable				
1	br/BN											
3	bl/BU											
4	sw/BK											
 <table><tr><td>1</td><td>br/BN</td></tr><tr><td>2</td><td>ws/WH</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr></table>	1	br/BN	2	ws/WH	3	bl/BU	4	sw/BK	D M8A - 4P - SK 50104583	Cable socket, M8 axial, 4-pin, insulation displacement connections, user-configurable		
1	br/BN											
2	ws/WH											
3	bl/BU											
4	sw/BK											
 <table><tr><td>1</td><td>br/BN</td></tr><tr><td>2</td><td>ws/WH</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr><tr><td>5</td><td>Blindloch/ dummy hole</td></tr></table>	1	br/BN	2	ws/WH	3	bl/BU	4	sw/BK	5	Blindloch/ dummy hole	KD 095 - 4 50031324	Cable socket, M12 angular, 4-pin, user-configurable
1	br/BN											
2	ws/WH											
3	bl/BU											
4	sw/BK											
5	Blindloch/ dummy hole											
	KD 095 - 4A 50031323	Cable socket, M12 axial, 4-pin, user-configurable										
 <table><tr><td>1</td><td>br/BN</td></tr><tr><td>2</td><td>ws/WH</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr></table>	1	br/BN	2	ws/WH	3	bl/BU	4	sw/BK	KS 095 - 4A 50040155	Cable plug, M12 axial, 4-pin, user-configurable		
1	br/BN											
2	ws/WH											
3	bl/BU											
4	sw/BK											
 <table><tr><td>1</td><td>br/BN</td></tr><tr><td>2</td><td>ws/WH</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr><tr><td>5</td><td>gr/GY</td></tr></table>	1	br/BN	2	ws/WH	3	bl/BU	4	sw/BK	5	gr/GY	KD 095 - 5 50020502	Cable socket, M12 angular, 5-pin, user-configurable
1	br/BN											
2	ws/WH											
3	bl/BU											
4	sw/BK											
5	gr/GY											
	KD 095 - 5A 50020501	Cable socket, M12 axial, 5-pin, user-configurable										
	KD 095 - 5A - PG9 50081461	Cable socket, M12 axial, 5-pin, user-configurable, with PG9 screwed cable gland										
 <table><tr><td>1</td><td>br/BN</td></tr><tr><td>2</td><td>ws/WH</td></tr><tr><td>3</td><td>bl/BU</td></tr><tr><td>4</td><td>sw/BK</td></tr><tr><td>5</td><td>gr/GY</td></tr></table>	1	br/BN	2	ws/WH	3	bl/BU	4	sw/BK	5	gr/GY	KS 095 - 5A 50114223	Cable plug, M12 axial, 5-pin, user-configurable
1	br/BN											
2	ws/WH											
3	bl/BU											
4	sw/BK											
5	gr/GY											
	KD - ROD4 - X1 - Set 50038072	Connector X1 for ROD 4, 15-pin										
	KD - ROD4 - X2 - Set 50038073	Connector X2 for ROD 4, 9-pin										
	D - ET1 50108991	RJ45 plug for user-configuration										

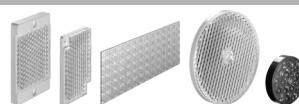
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Reflectors
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ACCESSORIES / CONNECTION TECHNOLOGY

Contact assignment	Part description Part No.:	Feature
RS 232 connection cables for connecting to MA 2xx fieldbus gateways		
	K-DS M12A-MA-5P-3m-S-PUR 50115049	Interface cable for connection of ODS.../D26... optical distance sensors with RS 232 interface to the MA 2xx <i>i</i> connector units
	K-DS M12A-MA-8P-3m-S-PUR 50115050	Interface cable for connection of ODSL 30/D232... optical distance sensors with RS 232 interface to the MA 2xx <i>i</i> connector units
	K-DS M12A-MA-5P-3m-1S-PUR 50116791	Interface cable for connection of the KONTURflex QUATTRO-RSX/M12 control device with RS 232 interface to the MA 2xx <i>i</i> connector units
Connector units for connecting RS 232 to fieldbus		
  Detailed information in the Identi- fication systems / Data transmis- sion systems / Distance measuring system catalog or at www.leuze.com	MA 204i 50112893	Modular connector unit for connecting devices with RS 232 interfaces to PROFIBUS
	MA 208i 50112892	Modular connector unit for connecting devices with RS 232 interfaces to Ethernet TCP/IP
	MA 235i 50114154	Modular connector unit for connecting devices with RS 232 interfaces to CANopen
	MA 238i 50114155	Modular connector unit for connecting devices with RS 232 interfaces to EtherCAT
	MA 248i 50112891	Modular connector unit for connecting devices with RS 232 interfaces to PROFINET-IO (RT)
	MA 255i 50114156	Modular connector unit for connecting devices with RS 232 interfaces to DeviceNet
	MA 258i 50114157	Modular connector unit for connecting devices with RS 232 interfaces to EtherNet/IP

Ex
Sensors

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Sensors

Accessories

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Optical Sensor
ABC

Inductive Switch
ABC

Fiber optic
ABC

ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors, rectangular, screw type and adhesive types		
	TKS 10 x 32 50110282	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TKS 20 x 20 50117584	Screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TKS 20 x 40 50081283	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TKS 30 x 45 50114617	Screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TKS 30 x 50 50023525	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TKS 30 x 60 50030433	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TKS 40 x 60 50040820	Screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C

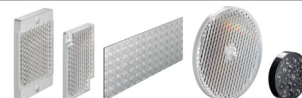
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ACCESSORIES / REFLECTORS

Ex
Sensors

AS-interface
Sensors

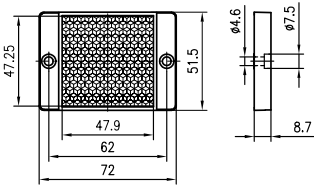
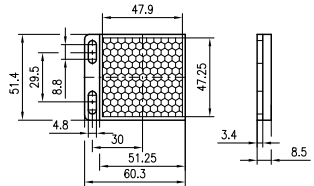
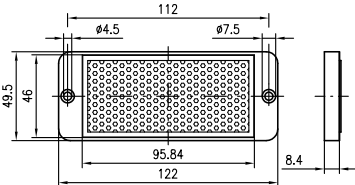
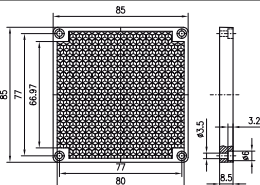
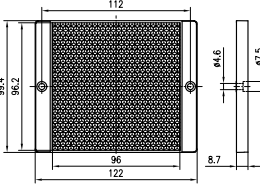
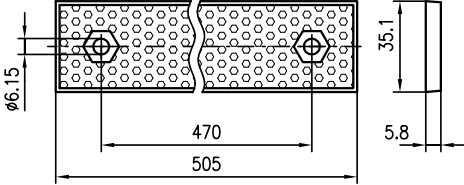
Accessories

Services

Optical Sensor
ABC

Inductive Switch
ABC

Fiber optic
ABC

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors, rectangular, screw type and adhesive types		
	TKS 50 x 50 50022814	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C
	TKS 50 x 50.1 50105153	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C
	TKS 50 x 100 50022815	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C
	TKS 85 x 85 50116725	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C
	TKS 100 x 100 50022816	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C
	TKS 30 x 500 50027097	Can be screwed on, sawed due to metal coating, reduced reflection range due to coating
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C

ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors, rectangular, adhesive		
	TK 30 x 50 50003189	Adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TK 20 x 75 50003188	Adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TK 50 x 100 50003191	Adhesive, screw type with BT 910M
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TK 100 x 100 50003192	Adhesive, screw type with BT 910M
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TK 40 x 180 50003190	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C

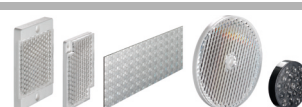
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ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors, rectangular, self-adhesive		
	TKA 30 x 46 50108216	Self-adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C
	TKA 30 x 60 50108215	Self-adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C
Plastic reflectors, rectangular, for use in the pharmaceutical industry		
	TKS 20 x 40.P 50106960	Screw type, resistant to cleaning with alcohol and hydrogen peroxide
		Protection class IP 67 Temperature range -40 °C ... +70 °C
	TKS 40 x 60.P 50106957	Screw type, resistant to cleaning with alcohol and hydrogen peroxide
		Protection class IP 67 Temperature range -40 °C ... +70 °C

Ex
Sensors

AS-interface
Sensors

Accessories

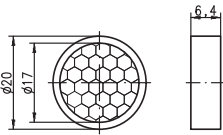
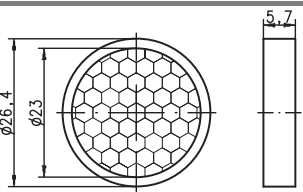
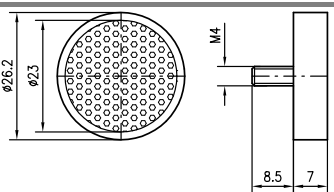
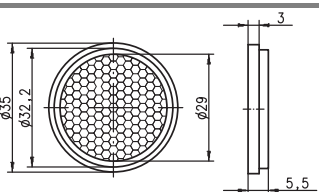
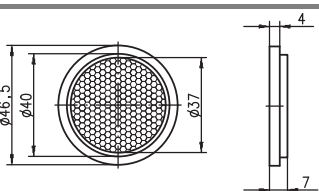
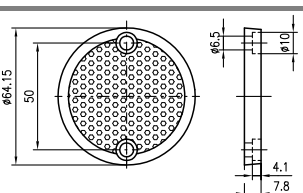
Services

Optical Sensor
ABC

Inductive Switch
ABC

Fiber optic
ABC

ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors, round		
	TK 20.1 ¹⁾ 50041471	Adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TK 25.1 ¹⁾ 50041355	Adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TKS 25 ¹⁾ 50027696	Screw type, threaded bolt
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TK 35.1 ¹⁾ 50101867	Adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TK 45.1 ¹⁾ 50105990	Adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	TK 60 ¹⁾ 50003186	Adhesive, screw type
		Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C

1) Dimensional tolerance for all specified dimensions: ± 0.2mm



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ACCESSORIES / REFLECTORS

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Sensors

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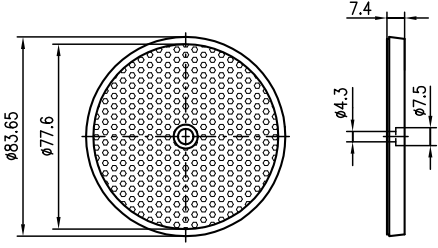
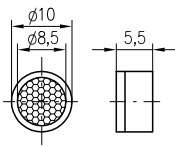
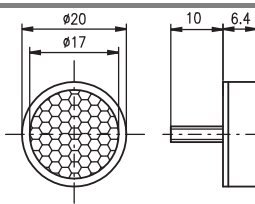
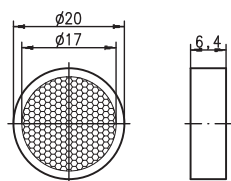
Accessories

Services

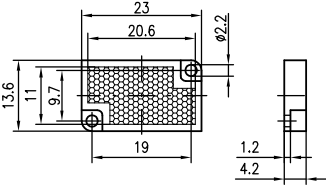
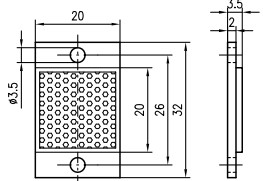
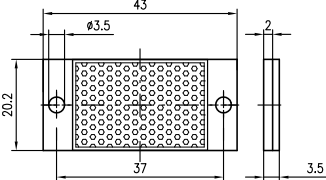
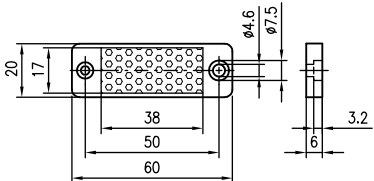
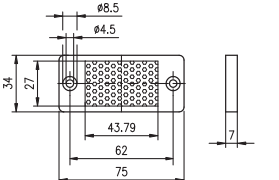
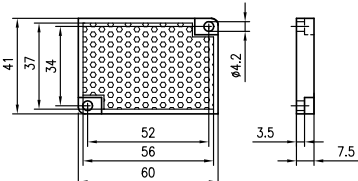
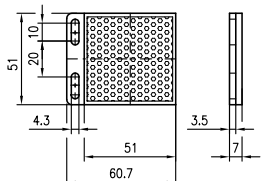
Optical Sensor
ABC

Inductive Switch
ABC

Fiber optic
ABC

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors		
	TK 82.2 50024127	Screw type, flat surface, (dimensional tolerance for all specified dimensions: ± 0.2 mm)
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C
Plastic reflectors, round, for use in the pharmaceutical industry		
	TK 10.P 50116939	Adhesive, resistant to cleaning with alcohol and hydrogen peroxide
		Protection class IP 67 Temperature range -40 °C ... +70 °C
	TKS 20.P 50106958	Screw type, resistant to cleaning with alcohol and hydrogen peroxide
		Protection class IP 67 Temperature range -40 °C ... +70 °C
Plastic reflectors with micro triple structure, round		
	MTK 20 50109828	Micro triple, adhesive
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C

ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors with micro triple structure, rectangular		
	MTKS 14 x 23 50106209	Micro triple, screw type Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	MTKS 20 x 20 50040895	Micro triple, screw type Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	MTKS 20 x 30 50040894	Micro triple, screw type Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	MTKS 20 x 40.1 50104130	Micro triple, screw type Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	MTKS 30 x 50.1 50104132	Micro triple, screw type Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	MTKS 40 x 60.1 50104131	Micro triple, screw type Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C
	MTKS 50 x 50.1 50117583	Micro triple, screw type Plastic PMMA 8N, protection class IP 67 Temperature range -40°C ... +70°C

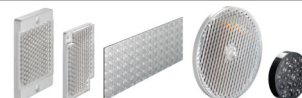
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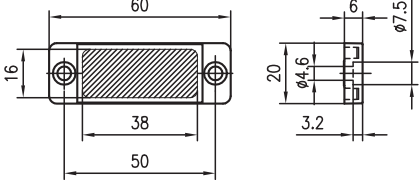
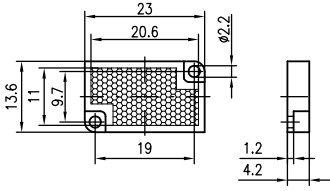


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ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors with micro triple structure, rectangular		
	REF 6 - S - 20 x 40 50114185	Reflector with maximum homogeneity based on reflective tape no. 6
		Screw type, protection class IP 67 Temperature range -40 °C ... +70 °C
Plastic reflectors with micro triple structure, for use in the pharmaceutical industry		
	MTKS 14 x 23.P 50106961	Micro triple, screw type resistant to cleaning with alcohol and hydrogen peroxide
		Protection class IP 67 Temperature range -40 °C ... +70 °C

Ex
Sensors

AS-interface
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Services

Optical Sensor
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Inductive Switch
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Fiber optic
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ACCESSORIES / REFLECTORS

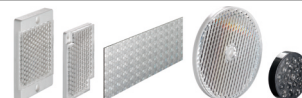
Dimensioned drawing	Part description Part No.:	Feature
Heatable plastic reflectors		
	HTK 82 50000068	Screw type, 230VAC, cable length 2 m, Cable cross-section 2x0.75 mm ²
		Power consumption 3.4W Temperature range -40 °C ... +70 °C
	HTK 82 - 24V 50000071	Screw type, 24VAC/DC, cable length 2 m, cable cross-section 2x0.75 mm ²
		Power consumption 2.8W Temperature range -40 °C ... +70 °C
High-temperature reflector		
	TKS 50 x 50.1.HT 50113309	High-temperature reflector, plastic, protection class IP 40, temperature range -40 °C ... +120 °C
		IP 69K



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ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Plastic reflectors with anti-fogging coating		
	TKS 40 x 60.1.AF 50120538	Adhesive, can be screwed on, with anti-fogging coating
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C Coating is effective at temperatures > 0 °C!
	TK 82.AF 50111375	Screw type, flat surface, with anti-fogging coating (dimensional tolerance for all specified dimensions: ± 0.2 mm)
		Plastic PMMA 8N, protection class IP 67 Temperature range -40 °C ... +70 °C Coating is effective at temperatures > 0 °C!

Ex
Sensors

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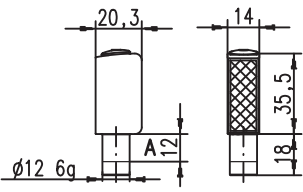
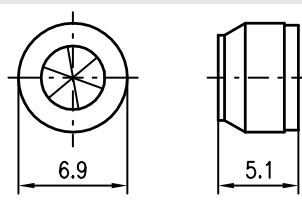
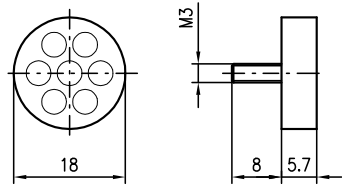
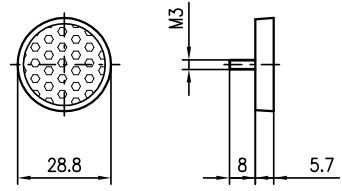
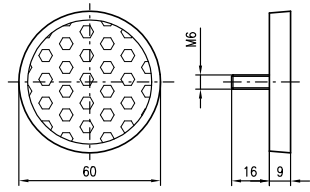
Services

Optical Sensor
ABC

Inductive Switch
ABC

Fiber optic
ABC

ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Special reflector for use in food + beverage sector		
	TK BR 53 50112142	Special reflector in the housing of the 53 series, A = permissible clamping range Protection class IP 67, IP 69K Temperature range -30°C ... +70°C
Glass reflectors, round		
	TG 6 50003176	Adhesive, pressable Temperature range -20°C ... +120°C
	TG 15 50003177	Threaded bolt Temperature range -20°C ... +120°C
	TG 29 50009374	Threaded bolt Temperature range -20°C ... +120°C
	TG 60 50003179	Threaded bolt Temperature range -20°C ... +120°C

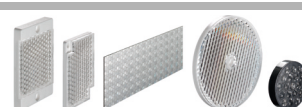
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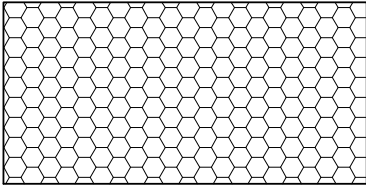


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Reflectors
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ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Reflective tape no. 4, self-adhesive, direction-independent adhesive mounting		
	Refl. tape No. 4 / 20 x 20 mm 50107057	For polarized retro-reflective sensors, temperature range -40°C ... +80°C
	Refl. tape No. 4 / 25 x 1000 mm 50102604	For polarized retro-reflective sensors, temperature range -40°C ... +80°C
	Refl. tape No. 4 / 50 x 50 mm 50108300	For polarized retro-reflective sensors, temperature range -40°C ... +80°C
	Refl. tape No. 4 / 50 x 1000 mm 50038060	For polarized retro-reflective sensors, temperature range -40°C ... +80°C
	Refl. tape No. 4 / 100 x 100mm 50106119	For polarized retro-reflective sensors, temperature range -40°C ... +80°C
	Refl. tape No. 4 / 920 x 749mm 50038117	For polarized retro-reflective sensors, temperature range -40°C ... +80°C
	Refl. tape No. 4 / 25mm roll 50041876	For polarized retro-reflective sensors, width 25mm, length 22.8m, temperature range -40°C ... +80°C
	REF 4 - A - 50 x 45700 50111772	For polarized retro-reflective sensors, width 50mm, length 45.7m, temperature range -40°C ... +80°C
	Refl. tape No. 4 / 100mm roll 50104657	For polarized retro-reflective sensors, width 100mm, length 45.7m, temperature range -40°C ... +80°C

Ex
Sensors

AS-interface
Sensors

Accessories

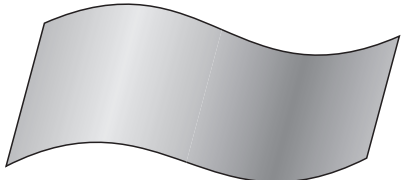
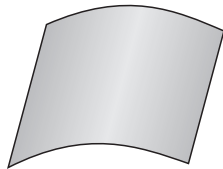
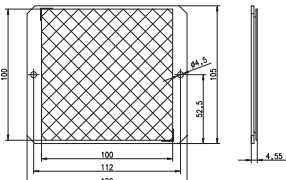
Services

Optical Sensor
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Inductive Switch
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Fiber optic
ABC

ACCESSORIES / REFLECTORS

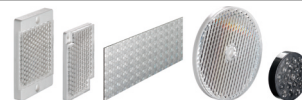
Dimensioned drawing	Part description Part No.:	Feature
Reflective tape no. 6, self-adhesive, maximum return-beam power and homogeneity, adhesive mounting is <u>not</u> direction-independent (side edge of sensor must be aligned parallel to foil edge)		
	Refl. tape No. 6 / 25 x 25 mm 50110191	For polarized retro-reflective sensors, PMMA, temperature range -40°C ... +70°C
	Refl. tape No. 6 / 50 x 50 mm 50110192	For polarized retro-reflective sensors, PMMA, temperature range -40°C ... +70°C
	REF 6-A-77x77 5011829	For polarized retro-reflective sensors, PMMA temperature range -40°C ... +70°C
Cooperative targets, self-adhesive, direction-independent adhesive mounting, for ODKL 96B distance sensors and HRTL 96B light scanners		
	REF 7 - A - 100 x 100 50111527	For ODKL 96B distance sensors and HRTL 96B light scanners
		Width 100mm, length 100mm temperature range -40°C ... +70°C
Cooperative Targets for Optical Laser Distance Sensors ODSL 30		
	CTS 100 x 100 50104599	Screw type, diffuse target reflection approx. 90 %, ceramics on galvanized sheet steel, for ODSL 30 measurement modes with object luminosity coefficient of 50 % ... 90 %



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ACCESSORIES / REFLECTORS

Dimensioned drawing	Part description Part No.:	Feature
Mounting systems for reflectors		
	BTU 934M - D10 - 90 50120011	Reflector for rod Ø 10 mm or cheek 1.5 ... 4 mm, with reflector TKA 30x46 (see p.665)
	BTU 934M - D12 - 90 50120019	Reflector for rod Ø 12 mm or cheek 1.5 ... 4 mm, with reflector TKA 30x46 (see p.665)
	BTU 934M - D14 - 90 50120010	Reflector for rod Ø 14 mm or cheek 1.5 ... 4 mm, with reflector TKA 30x46 (see p.665)
	UMS 96 - 82 50027191	Reflector for rod Ø 10 ... 16 mm, with reflector TK 82
	BTU 900M - D10 50119332	Reflector mounting bracket for rod Ø 10 mm or cheek 1.5 ... 4 mm, for reflectors (M)TKS 30x50, (M)TKS 40x60, TKS 50x50
	BTU 900M - D12 50119331	Reflector mounting bracket for rod Ø 12 mm or cheek 1.5 ... 4 mm, for reflectors (M)TKS 30x50, (M)TKS 40x60, TKS 50x50
	BTU 900M - D14 50119330	Reflector mounting bracket for rod Ø 14 mm or cheek 1.5 ... 4 mm, for reflectors (M)TKS 30x50, (M)TKS 40x60, TKS 50x50
	BT 46 50105315	Mounting bracket for 46 series and reflectors MTKS 20x20, (M)TKS 30x50, TKS 30x60, (M)TKS 40x60, (M)TKS 50x50, TK 82.2
	BT 910M 50009419	Mounting bracket for TK 100x100 reflectors

Ex
SensorsAS-interface
Sensors

Accessories

Services

Optical Sensor
ABCInductive Switch
ABCFiber optic
ABC

REFLECTOR SELECTION

2 SERIES

Retro-reflective sensor		Operating range [m]					
Type	with reflector	Typ. op. range limit [m]					
		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TKS 40 x 60	MTKS 20 x 40.1	TKS 20 x 40	Tape 4 50 x 50
PRK 2 / 42 ...		0.07 ... 3.5 0.07 ... 4.0		0.07 ... 2.5 0.07 ... 2.9		0.02 ... 1.3 0.02 ... 1.5	0.12 ... 0.9 0.12 ... 1.1

REFLECTOR SELECTION

3B SERIES

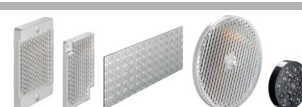
Retro-reflective sensor		Operating range [m]					
Type	with reflector	Typ. op. range limit [m]					
		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TKS 40 x 60	MTKS 20 x 40.1	TKS 20 x 40	Tape 4 50 x 50
RKR 3B / 6.42 ...		0.0 ... 1.5 0.0 ... 1.8	0.0 ... 1.0 0.0 ... 1.2	0.0 ... 1.0 0.0 ... 1.2		0.0 ... 0.5 0.0 ... 0.6	
PRK 3B / 6.7 ... PRK 3B / 66 ...		0.02 ... 5.0 0.02 ... 6.0		0.02 ... 3.0 0.02 ... 3.6		0.02 ... 1.5 0.02 ... 2.0	0.1 ... 1.2 0.1 ... 1.6
PRK 3B / 6.22 ...		0.0 ... 4.0 0.0 ... 5.0		0.0 ... 3.0 0.0 ... 3.6		0.0 ... 1.3 0.0 ... 1.5	0.0 ... 0.7 0.0 ... 1.0
PRKL 3B / 6.22 ...			0.0 ... 2.0 0.0 ... 3.0		0.0 ... 1.0 0.0 ... 1.5		0.0 ... 1.6 0.0 ... 2.2



Mounting systems
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Reflectors
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REFLECTOR SELECTION

5 SERIES

Retro-reflective sensor	with reflector	Operating range [m]				
		Typ. op. range limit [m]				
Type		TK 100 x 100 TKS 100 x 100	TKS 40 x 60	TKS 82.2	TKS 30 x 50	TKS 20 x 40 Tape 4 50 x 50
PRK 5 / ...		0.02 ... 4.5 0.02 ... 6.0	0.02 ... 3.0 0.02 ... 4.0	0.05 ... 3.6 0.05 ... 4.5	0.03 ... 1.9 0.03 ... 2.5	0.04 ... 1.6 0.04 ... 2.2 0.08 ... 1.4 0.08 ... 2.0

REFLECTOR SELECTION

8 SERIES

Retro-reflective sensor	with reflector	Operating range [m]			
		Typ. op. range limit [m]			
Type		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TK 30 x 50 TKS 30 x 50	TKS 20 x 40 Tape 4 100 x 100
PRK 8 / 44 ... PRK 8 / 66 ...		0.10 ... 6.4 0.05 ... 8.0	0.12 ... 4.8 0.12 ... 6.0	0.10 ... 2.8 0.10 ... 3.5	0.13 ... 2.4 0.13 ... 3.0 0.15 ... 2.8 0.15 ... 3.5
PRK 8 / 66.11 - S12		0.0 ... 5.0 0.0 ... 7.0	0.0 ... 3.5 0.0 ... 4.5	0.0 ... 2.0 0.0 ... 2.4	0.0 ... 1.5 0.0 ... 2.0 0.0 ... 1.0 0.0 ... 1.3
PRK 8 / 66.41 - S12 PRK 8 / 66.42 - S12		0.0 ... 2.0 0.0 ... 2.4	0.0 ... 1.5 0.0 ... 1.8	0.0 ... 0.6 0.0 ... 0.8	0.0 ... 0.6 0.0 ... 0.8 0.0 ... 0.3 0.0 ... 0.5



Additional reflectors and the dimensioned drawings for the reflectors can be found from page 662 onwards.

REFLECTOR SELECTION

18 SERIES

Retro-reflective sensor Type	with reflector	Operating range [m] Typ. op. range limit [m]					
		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TK 30 x 50 TKS 30 x 50	TKS 20 x 40	Tape 4 100 x 100	Tape 6 50 x 50
RK(R) 18 / 4 DL ... PRK 18 / 4 DL.4 PRK 18 / 2 DL.4		0.0 ... 2.4 0.0 ... 3.0	0.0 ... 2.0 0.0 ... 2.5	0.0 ... 0.8 0.0 ... 1.0	0.0 ... 0.8 0.0 ... 1.0	0.0 ... 0.4 0.0 ... 0.6	
PRK 18 / 24 DL ... IPRK 18 / 4 DL ...		0.0 ... 3.0 0.0 ... 4.0	0.0 ... 2.4 0.0 ... 3.0	0.0 ... 1.6 0.0 ... 2.0	0.0 ... 1.4 0.0 ... 1.8	0.0 ... 0.6 0.0 ... 0.8	
IPRK 18 / V ...			0.0 ... 1.0 0.0 ... 1.2				0.0 ... 1.0 0.0 ... 1.2



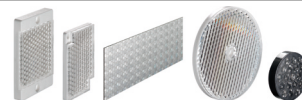
Additional reflectors and the dimensioned drawings for the reflectors can be found from page 662 onwards.



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Reflectors
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REFLECTOR SELECTION

25B SERIES

Retro-reflective sensor	with reflector	Operating range [m]				
		Typ. op. range limit [m]				
Type		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TKS 40 x 60	TKS 20 x 40	MTKS 20 x 20 Tape 4 50 x 50
(I)PRK 25B / 4 ... PRK 25B / 66 ...		0.05 ... 8.0 0.05 ... 10.0		0.05 ... 4.0 0.05 ... 5.0	0.05 ... 2.5 0.05 ... 3.0	0.05 ... 3.0 0.05 ... 3.5
PRK 25B / ...3 ...		0.05 ... 6.0 0.02 ... 8.0		0.05 ... 3.0 0.02 ... 4.0	0.05 ... 2.0 0.02 ... 3.0	0.15 ... 2.0 0.15 ... 2.1
PRKL 25B / ...		0.3 ... 12.0 0.3 ... 15.0	0.05 ... 12.0 0.05 ... 15.0			0.05 ... 6.0 0.05 ... 7.0

REFLECTOR SELECTION

28 SERIES

Retro-reflective sensor	with reflector	Operating range [m]				
		Typ. op. range limit [m]				
Type		TK 100 x 100 TKS 100 x 100	TKS 40 x 60	TKS 82.2	TKS 30 x 50	TKS 20 x 40 Tape 4 50 x 50
PRK 28 / ...		0.02 ... 4.5 0.02 ... 6.0	0.02 ... 3.0 0.02 ... 4.0	0.05 ... 3.6 0.05 ... 4.5	0.03 ... 1.9 0.03 ... 2.5	0.04 ... 1.6 0.04 ... 2.2

Ex
Sensors

AS-interface
Sensors

Accessories

Services

Optical Sensor
ABC

Inductive Switch
ABC

Fiber optic
ABC

REFLECTOR SELECTION

46B SERIES

Retro-reflective sensor		Operating range [m]				
		Typ. op. range limit [m]				
Type	with reflector	TK 100 x 100 TKS 100 x 100	TKS 50 x 50	TKS 40 x 60	TKS 30 x 50	TKS 20 x 40 Tape 4 50 x 50
IPRK 46B / 4 - S12 PRK 46B / 44 - S12 PRK 46B / 6, 200 - S12 PRK 46B / 66 - S12 PRK 46B / 66.01 - S12 PRK 46B / 66, 200 - S12 PRK 46B / 7D - S12		0.05 ... 15.0 0.05 ... 18.0	0.05 ... 10.0 0.05 ... 12.0	0.05 ... 8.0 0.05 ... 10.0	0.05 ... 5.0 0.05 ... 6.0	0.05 ... 3.0 0.05 ... 5.0
PRK 46B / 4.82 - S12 PRK 46B / 4D.2 - S12 IPRK 46B / 4.2 - S12 PRK 46B / 44.2 - S12 PRK 46B / 6.2 - S12 PRK 46B / 66.2 - S12 PRK 46B / 66.2, 200 - S12		0.1 ... 8.0 0.1 ... 10.0	0.1 ... 5.0 0.1 ... 6.0	0.1 ... 4.0 0.1 ... 5.0	0.1 ... 2.5 0.1 ... 3.0	0.1 ... 2.0 0.1 ... 3.0

REFLECTOR SELECTION

53 SERIES

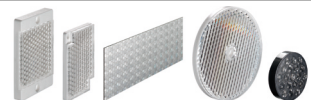
Retro-reflective sensor		Operating range [m]				
		Typ. op. range limit [m]				
Type	with reflector	TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TKS 40 x 60	MTKS 20 x 40.1	TKS 20 x 40 Tape 4 50 x 50
RKR 53 / 6.42 ...		0.0 ... 1.5 0.0 ... 1.8	0.0 ... 1.0 0.0 ... 1.2	0.0 ... 1.0 0.0 ... 1.2		0.0 ... 0.5 0.0 ... 0.6
PRK 53 / 6.22 ...		0.0 ... 4.0 0.0 ... 5.0		0.0 ... 2.6 0.0 ... 3.2		0.0 ... 1.3 0.0 ... 1.5
PRKL 53 / 6.22 ...			0.0 ... 2.0 0.0 ... 3.0		0.0 ... 1.0 0.0 ... 1.5	



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REFLECTOR SELECTION

55 SERIES

Retro-reflective sensor	with reflector	Operating range [m]				
		Typ. op. range limit [m]				
Type		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TKS 40 x 60	MTKS 20 x 40.1	TKS 20 x 40 Tape 4 50 x 50
RKR 55 / 6.42 ...		0.0 ... 1.5 0.0 ... 1.8	0.0 ... 1.0 0.0 ... 1.2	0.0 ... 1.0 0.0 ... 1.2		0.0 ... 0.5 0.0 ... 0.6
PRK 55 / 66 ...		0.02 ... 5.0 0.02 ... 6.0		0.02 ... 3.0 0.02 ... 3.6		0.02 ... 1.5 0.02 ... 2.0
PRK 55 / 6.22 ...		0.0 ... 4.0 0.0 ... 5.0		0.0 ... 2.6 0.0 ... 3.2		0.0 ... 1.3 0.0 ... 1.5
PRKL 55 / 6.22 ...			0.0 ... 2.0 0.0 ... 3.0		0.0 ... 1.0 0.0 ... 1.5	

REFLECTOR SELECTION

95 SERIES

Retro-reflective sensor	with reflector	Operating range [m]				
		Typ. op. range limit [m]				
Type		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TK 30 x 50 TKS 30 x 50	TKS 20 x 40	Tape 4 100 x 100 Tape 4 10 x 10
PRK 95 / 44 L IPRK 95 / 44 L.5		0.2 ... 6.0 0.2 ... 9.0	0.2 ... 4.2 0.2 ... 7.1	0.2 ... 2.5 0.2 ... 4.1	0.2 ... 1.9 0.2 ... 3.2	0.2 ... 2.4 0.2 ... 4.0
IPRK 95 / 4.8 L.2 IPRK 95 / 44 L.2 ...		0.0 ... 4.2 0.0 ... 6.0	0.0 ... 3.2 0.0 ... 5.4	0.0 ... 1.8 0.0 ... 3.0	0.0 ... 1.7 0.0 ... 2.9	0.0 ... 1.2 0.0 ... 1.7
PRK 95 / 22 L.4 PRK 95 / 44 L.4		0.0 ... 1.8 0.0 ... 3.0	0.0 ... 1.8 0.0 ... 3.0	0.0 ... 1.1 0.0 ... 1.8	0.0 ... 1.0 0.0 ... 1.7	0.0 ... 0.4 0.0 ... 0.7
IPRK 95 / 44 L.3		0.0 ... 2.2 0.0 ... 3.7	0.0 ... 1.7 0.0 ... 2.9	0.0 ... 1.0 0.0 ... 1.7	0.0 ... 0.8 0.0 ... 1.6	0.0 ... 0.6 0.0 ... 1.0



Additional reflectors and the dimensioned drawings for the reflectors can be found from page 662 onwards.

REFLECTOR SELECTION

96 SERIES / DC

Retro-reflective sensor	Operating range [m]					
	Typ. op. range limit [m]					
Type	with reflector	TK 100 x 100 TKS 100 x 100	TK 82	MTKS 50 x 50.1	TK 30 x 50 TKS 30 x 50	TKS 20 x 40 Tape 4 100 x 100
RK 96 M/P - 1440 - 21		0.3 ... 15.0 0.1 ... 18.0	0.3 ... 11.0 0.1 ... 12.0	0.3 ... 11.0 0.1 ... 12.0	0.3 ... 6.0 0.1 ... 7.1	0.3 ... 6.0 0.1 ... 8.0
PRK 96 M/P - 3380 - 41 PRK 96 M/P - 3360 - 21 PRK 96 M/N - 3366 - 27		0.3 ... 15.0 0.1 ... 18.0	0.3 ... 11.0 0.1 ... 11.5	0.3 ... 11.0 0.1 ... 12.0	0.3 ... 6.0 0.1 ... 7.5	0.3 ... 6.0 0.1 ... 7.5
PRK 96 M/P - 1361 - 47 PRK 96 M/P - 1362 - 47 PRK 96 M/P - 1370 - 22 PRK 96 M/P - 1370 - 42 PRK 96 M/P - 1400 - 22 PRK 96 M/P - 1400 - 42 PRK 96 K/P - 1360 - 41 PRK 96 K/P - 1360.1 - 41 PRK 96 K/P - 1365 - 45 PRK 96 K/P - 1380 - 41 PRK 96 K/P - 1360 - 21 PRK 96 K/P - 1361 - 29 PRK 96 K/P - 1363 - 29 PRK 96 K/N - 1380 - 46		0.3 ... 8.0 0.1 ... 10.0	0.3 ... 6.0 0.1 ... 7.5	0.3 ... 7.0 0.1 ... 8.5	0.3 ... 4.5 0.1 ... 5.0	0.3 ... 3.0 0.1 ... 4.0 0.3 ... 4.0 0.1 ... 5.5
PRK 96 M/P - 1838 - 21 PRK 96 M/P - 1838 - 41 PRK 96 M/P - 2838 - 28		0.0 ... 7.0 0.0 ... 8.5	0.0 ... 5.0 0.0 ... 6.0	0.0 ... 6.0 0.0 ... 7.5	0.0 ... 4.0 0.0 ... 5.0	0.0 ... 3.5 0.0 ... 4.0 0.0 ... 3.0 0.0 ... 3.5
PRK 96 K/P - 3368 - 41		0.3 ... 26.0 0.1 ... 28.0	0.3 ... 19.0 0.1 ... 21.0	0.3 ... 18.0 0.1 ... 19.0	0.3 ... 10.0 0.1 ... 12.0	0.3 ... 6.0 0.1 ... 8.0 0.3 ... 6.5 0.1 ... 7.0
PRK 96 M/P - 1830 - 21 PRK 96 M/P - 1830 - 41		0.0 ... 1.5 0.0 ... 1.85		TK(S) 50 x 50: 0.0 ... 1.5 0.0 ... 1.85	0.0 ... 1.5 0.0 ... 1.85	

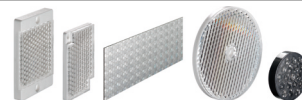
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REFLECTOR SELECTION

96 SERIES / AC-DC

Retro-reflective sensor	with reflector	Operating range [m]				
		Typ. op. range limit [m]				
Type		TK 100 x 100 TKS 100 x 100	TK 82	MTKS 50 x 50.1	TK 30 x 50 TKS 30 x 50	TKS 20 x 40 Tape 4 100 x 100
RK 96 K/R - 1560 - 25		0.3 ... 15.0 0.1 ... 18.0	0.3 ... 11.0 0.1 ... 12.0	0.3 ... 11.0 0.1 ... 12.0	0.3 ... 6.0 0.1 ... 7.1	0.3 ... 5.0 0.1 ... 6.0
PRK 96 M/R - 3420 - 25 PRK 96 M/R - 3430 - 25		0.3 ... 15.0 0.1 ... 18.0	0.3 ... 11.0 0.1 ... 11.5	0.3 ... 11.0 0.1 ... 12.0	0.3 ... 6.0 0.1 ... 7.5	0.3 ... 5.0 0.1 ... 6.0
PRK 96 M/R - 1858 - 25		0.0 ... 7.0 0.0 ... 8.5	0.0 ... 5.0 0.0 ... 6.0	0.0 ... 6.0 0.0 ... 7.5	0.0 ... 4.0 0.0 ... 5.0	0.0 ... 3.5 0.0 ... 4.0
PRK 96 M/R - 1850 - 25		0.0 ... 1.5 0.0 ... 1.85		TK(S) 50 x 50: 0.0 ... 1.5 0.0 ... 1.85	0.0 ... 1.5 0.0 ... 1.85	
PRK 96 K/R - 3428 - 25		0.3 ... 20.0 0.1 ... 24.0	0.3 ... 15.0 0.1 ... 17.0	0.3 ... 15.0 0.1 ... 16.0	0.3 ... 10.0 0.1 ... 12.0	0.3 ... 8.0 0.1 ... 9.0
PRK 96 K/R - 1420 - 25 PRK 96 K/R - 1430 - 25		0.3 ... 8.0 0.1 ... 10.0	0.3 ... 6.0 0.1 ... 7.5	0.3 ... 7.0 0.1 ... 8.5	0.3 ... 4.5 0.1 ... 5.0	0.3 ... 3.0 0.1 ... 4.0



Additional reflectors and the dimensioned drawings for the reflectors can be found from page 662 onwards.

REFLECTOR SELECTION

318 SERIES

Retro-reflective sensor		Operating range [m] Typ. op. range limit [m]				
Type	with reflector	TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TK 30 x 50 TKS 30 x 50	TKS 20 x 40	Tape 4 100 x 100
RK 318 M/... - S12 RK 318 M/... RK 318 K/... - S12 RK 318 K/...		0.03 ... 4.6 0.03 ... 6.0	0.02 ... 4.0 0.02 ... 5.4	0.03 ... 2.2 0.03 ... 3.2	0.06 ... 1.9 0.06 ... 2.9	0.15 ... 2.5 0.15 ... 3.5
RK 318 WM/... - S12 RK 318 WM/... RK 318 WK/... - S12 RK 318 WK/...		0.05 ... 3.7 0.05 ... 4.8	0.05 ... 3.2 0.05 ... 4.3	0.05 ... 1.8 0.05 ... 2.6	0.24 ... 1.5 0.24 ... 2.3	0.36 ... 2.0 0.36 ... 2.8
PRK 318 M/... - S12 PRK 318 M/... PRK 318 K/... - S12 PRK 318 K/...		0.03 ... 4.6 0.03 ... 6.0	0.02 ... 3.2 0.02 ... 4.6	0.03 ... 2.2 0.03 ... 3.2	0.06 ... 1.9 0.06 ... 2.9	0.24 ... 2.0 0.24 ... 3.1

REFLECTOR SELECTION

318B SERIES

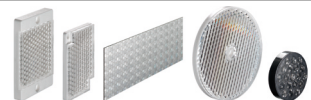
Retro-reflective sensor		Operating range [m] Typ. op. range limit [m]				
Type	with reflector	TK 100 x 100 TKS 100 x 100	TKS 40 x 60	TK 82.2	TK 30 x 50 TKS 30 x 50	TKS 20 x 40 Tape 4 50 x 50
PRK 318B / ...		0.02 ... 4.5 0.02 ... 6.0	0.02 ... 3.0 0.02 ... 4.0	0.05 ... 3.6 0.05 ... 4.5	0.03 ... 1.9 0.03 ... 2.5	0.04 ... 1.6 0.04 ... 2.2
PRK 318B.W / ...		0.02 ... 4.0 0.02 ... 5.0	0.02 ... 2.6 0.02 ... 3.5	0.05 ... 3.3 0.05 ... 4.0	0.05 ... 1.6 0.05 ... 2.0	0.10 ... 1.3 0.10 ... 1.8



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REFLECTOR SELECTION

412 SERIES

Retro-reflective sensor	with reflector	Operating range [m]			
		Typ. op. range limit [m]			
Type		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TK 30 x 50 TKS 30 x 50	TKS 20 x 40 Tape 4 100 x 100
PRK 412 M/P - S12		0.15 ... 1.3	0.15 ... 0.8	0.15 ... 0.6	0.15 ... 0.5
PRK 412 M/P		0.05 ... 1.6	0.05 ... 1.1	0.05 ... 0.8	0.05 ... 0.6

REFLECTOR SELECTION

618 SERIES

Retro-reflective sensor	with reflector	Operating range [m]			
		Typ. op. range limit [m]			
Type		TK 100 x 100 TKS 100 x 100	MTKS 50 x 50.1	TK 30 x 50 TKS 30 x 50	TKS 20 x 40 Tape 4 100 x 100
PRK 618 / 4 - S12		0.0 ... 5.0	0.0 ... 2.3	0.03 ... 2.1	0.0 ... 1.7
		0.0 ... 7.0	0.0 ... 3.3	0.03 ... 3.0	0.0 ... 2.4



Additional reflectors and the dimensioned drawings for the reflectors can be found from page 662 onwards.