

AS-INTERFACE SENSORS

Part description Part No.:	Operating range [m] Typ. op. range limit [m]	<input type="checkbox"/> <input type="checkbox"/>	Operating voltage (acc. to AS-i spec.)	Light source	Output
Throughbeam sensors					
▶ = Transmitter ◀ = Receiver					
▶LSSR 8 / A.8 - S12 ◀ILSR 8 / A - S12	500 38787 500 38788	<input type="text" value="0"/> <input type="text" value="12"/> <input type="text" value="0"/> <input type="text" value="20"/>	26.5 ... 31.6V	Red light	AS-interface
▶LSS 96 M - 180W - 44 ◀LSE 96 M/ A - 182W - 44	500 82040 500 82039	<input type="text" value="0"/> <input type="text" value="30"/> <input type="text" value="0"/> <input type="text" value="39"/>	26.5 ... 31.6V	Red light	AS-interface
Retro-reflective sensors with polarisation filter					
IPRK 8 / A - S12 500 38789		<input type="text" value="0.1"/> <input type="text" value="6.4"/> <input type="text" value="0.1"/> <input type="text" value="8"/>	26.5 ... 31.6V	Red light	AS-interface
IPRK 18 / A L.4 500 30077		<input type="text" value="0"/> <input type="text" value="2.4"/> <input type="text" value="0"/> <input type="text" value="3"/>	26.5 ... 31.6V	Red light	AS-interface
IPRK 18 / A.1 L.4 500 34119		<input type="text" value="0"/> <input type="text" value="2.4"/> <input type="text" value="0"/> <input type="text" value="3"/>	26.5 ... 31.6V	Red light	AS-interface
IPRK 18 / A - L.46 500 40278		<input type="text" value="0"/> <input type="text" value="2.4"/> <input type="text" value="0"/> <input type="text" value="3"/>	26.5 ... 31.6V	Red light	AS-interface



Dimensioned drawings see **standard sensors:**
ILSR 8..., IPRK 8... on page 40, IPRK 18... on page 52, LS 96... on page 124.

We reserve the right to make changes • AS-i_1_GB.fm

Accessories / connection cables

More accessories can be found from **page 364** onwards

Part No.	Designation	Features
a 500 24748	KB - 095 - 1000 - 3AW	Connection cable 1000mm, M12 axial/angular
b 500 24749	KB - 095 - 2000 - 3AW	Connection cable 2000mm, M12 axial/angular
c 500 81151	KB - 095 - 5000 - 3AW	Connection cable 5000mm, M12 axial/angular
d 500 24750	AKB 01	Yellow AS-i ribbon cable
e 500 80027	AKB 02	Black AS-i ribbon cable
f 500 24346	AM 06	AS-i bus terminal for profile cable



Sensors
with AS-interface



Standard Sensors

Measuring Sensors

Ultrasonic Sensors

Forked Sensors

Special Sensors

Fibre Optic Sensors

Light Curtains

Protective Sensors

Ex Sensors

AS-interface Sensors

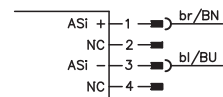
Connection	Option	Accessories	
M12 connector	4, 5, 6, 10, 11	a, b, c, d, e, f	
M12 connector	5, 6, 9, 11	a, b, c, d, e, f	
M12 connector	5, 6, 10, 11	a, b, c, d, e, f	
M12 connector	1, 3, 4, 5, 6, 9, 11	a, b, c, d, e, f	
M12 connector	1, 3, 4, 5, 6, 7, 9, 11	a, b, c, d, e, f	
M12 connector	2, 3, 5, 6, 7, 8, 10, 11	a, b, c, d, e, f	



Optical Sensor ABCs

- Throughbeam sensors Page 409
- Retro-reflective sensors with polarisation filter Page 409
- AS-interface sensors Page 413

Electrical connection



Options

- 1 Sensitivity adjustment via potentiometer
- 2 Teach-in via rotary switch
- 3 Transparent media
- 4 Activation input (via AS-i)
- 5 Switching output with configurable light/dark switching (via AS-i)
- 6 Warning output (via AS-i)
- 7 Pulse stretching
- 8 Contamination compensation (tracking function)
- 9 AS-interface slave address range: 1 ... 31
- 10 AS-interface slave address range: 1 ... 62
- 11 UL approval

AS-INTERFACE SENSORS

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Retro-reflective sensors with polarisation filter					
PRK 95 / A L.4 500 27095	<input type="text" value="0"/> <input type="text" value="1.8"/> <input type="text" value="0"/> <input type="text" value="3"/>	<input type="checkbox"/>	26.5 ... 31.6V	Red light	AS-interface
PRK 96 M / A - 3410 - 44 500 82067	<input type="text" value="0.3"/> <input type="text" value="15"/> <input type="text" value="0.1"/> <input type="text" value="18"/>	<input type="checkbox"/>	26.5 ... 31.6V	Red light	AS-interface
Energetic diffuse reflection scanners					
IRTR 8 / A - 800 - S12 500 38790	<input type="text" value="10"/> <input type="text" value="600"/> <input type="text" value="5"/> <input type="text" value="800"/>	<input type="checkbox"/>	26.5 ... 31.6V	Red light	AS-interface
Diffuse reflection scanners with background suppression					
HRT 96 M / A - 1670 - 800 - 44 500 80048	<input type="text" value="100"/> <input type="text" value="800"/> <input type="text" value="100"/> <input type="text" value="1200"/>	<input type="checkbox"/>	26.5 ... 31.6V	Red light	AS-interface
HRT 96 M / A - 1660 - 1200 - 44 500 25112	<input type="text" value="100"/> <input type="text" value="1200"/> <input type="text" value="100"/> <input type="text" value="1800"/>	<input type="checkbox"/>	26.5 ... 31.6V	Infrared light	AS-interface



Dimensioned drawings see **standard sensors:**
IRTR 8... on **page 40**, **PRK 95...** on **page 116**, **PRK 96...** and **HRT 96...** on **page 124**.

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Accessories / connection cables

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Part No.	Designation	Features
a 500 24748	KB - 095 - 1000 - 3AW	Connection cable 1000mm, M12 axial/angular
b 500 24749	KB - 095 - 2000 - 3AW	Connection cable 2000mm, M12 axial/angular
c 500 81151	KB - 095 - 5000 - 3AW	Connection cable 5000mm, M12 axial/angular
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Sensors
with AS-interface



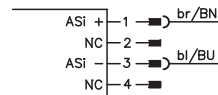
Connection	Option	Accessories	
M12 connector	1, 3, 4, 5, 6, 9, 11	a, b, c, d, e, f	
M12 connector	1, 4, 5, 6, 9, 11	a, b, c, d, e, f	
M12 connector	1, 5, 6, 10, 11	a, b, c, d, e, f	
M12 connector	1, 4, 5, 9, 11	a, b, c, d, e, f	
M12 connector	1, 4, 5, 9, 11	a, b, c, d, e, f	



Optical Sensor ABCs

- Diffuse reflection scanners with background suppression Page 410
- AS-interface sensors Page 413

Electrical connection



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