

## 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
<b>Throughbeam sensors</b> ▶ = Transmitter ◀ = Receiver					
▶LSSR 8 / A.8 - S12 50038787 ◀ILSR 8 / A - S12 50038788	<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 50082040 ◀LSE 96 M/ A - 182W - 44 50082039	<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
<b>Retro-reflective sensors with polarization filter</b>					
IPRK 8 / A - S12 50038789	<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 50030077	<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 50034119	<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 50040278	<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 70, IPRK 18... on page 84, LS 96... on page 176.

### Accessories / connection cables

More accessories can be found from **page 634** onwards

Part no.	Designation	Features
a 50024748	KB - 095 - 1000 - 3AW	Connection cable 1000mm, M12 axial/angular
b 50024749	KB - 095 - 2000 - 3AW	Connection cable 2000mm, M12 axial/angular
c 50081151	KB - 095 - 5000 - 3AW	Connection cable 5000mm, M12 axial/angular
d 50024346	AM 06	AS-i bus terminal for profile cable





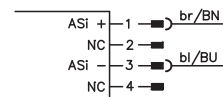
Connection	Option	Accessories	
M12 connector	4, 5, 6, 10, 11	a, b, c, d	
M12 connector	5, 6, 9, 11	a, b, c, d	
M12 connector	5, 6, 10, 11	a, b, c, d	
M12 connector	1, 3, 4, 5, 6, 9, 11	a, b, c, d	
M12 connector	1, 3, 4, 5, 6, 7, 9, 11	a, b, c, d	
M12 connector	2, 3, 5, 6, 7, 8, 10, 11	a, b, c, d	



**Optical Sensor**

- Throughbeam sensors Page 689
- Retro-reflective sensors with polarization filter Page 689
- AS-interface sensors Page 693

**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

Part description Part No.:	Operating range Typ. op. range limit	<input type="checkbox"/> <input type="checkbox"/>	Operating voltage (acc. to AS-i spec.)	Light source	Output
<b>Retro-reflective sensors with polarization filter</b>					
<b>PRK 95 / A L.4</b> 50027095	0 1.8 m 0 3 m		26.5 ... 31.6V	Red light	AS-interface
<b>PRK 96 M / A - 3410 - 44</b> 50082067	0.3 15 m 0.1 18 m		26.5 ... 31.6V	Red light	AS-interface
<b>Energetic diffuse reflection scanners</b>					
<b>IRTR 8 / A - 800 - S12</b> 50038790	10 600 mm 5 800 mm		26.5 ... 31.6V	Red light	AS-interface
<b>Diffuse reflection scanners with background suppression</b>					
<b>HRT 96 M / A - 1670 - 800 - 44</b> 50080048	100 800 mm 100 1200 mm		26.5 ... 31.6V	Red light	AS-interface
<b>HRT 96 M / A - 1660 - 1200 - 44</b> 50025112	100 1200 mm 100 1800 mm		26.5 ... 31.6V	Infrared light	AS-interface



**Dimensioned drawings** see **standard sensors:**  
**IRTR 8...** on **page 70**, **PRK 95...** on **page 168**, **PRK 96...** and **HRT 96...** on **page 176**.

We reserve the right to make changes • AS-i\_2\_EN.fm

### Accessories / connection cables

More accessories can be found from **page 634** onwards

Part no.	Designation	Features
a 50024748	KB - 095 - 1000 - 3AW	Connection cable 1000mm, M12 axial/angular
b 50024749	KB - 095 - 2000 - 3AW	Connection cable 2000mm, M12 axial/angular
c 50081151	KB - 095 - 5000 - 3AW	Connection cable 5000mm, M12 axial/angular
d 50024346	AM 06	AS-i bus terminal for profile cable



**AS-i**  
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## Sensors with AS-interface



Ex  
Sensors

AS-interface  
Sensors

Accessories

Services

Optical Sensor  
ABC

Inductive Switch  
ABC

Fiber optic  
ABC

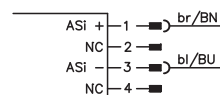
Connection	Option	Accessories	
M12 connector	1, 3, 4, 5, 6, 7, 9	a, b, c, d	
M12 connector	1, 4, 5, 6, 7, 9	a, b, c, d	
M12 connector	1, 5, 6, 8, 9	a, b, c, d	
M12 connector	2, 4, 5, 7, 9	a, b, c, d	
M12 connector	2, 4, 5, 7, 9	a, b, c, d	



### Optical Sensor

- Diffuse reflection scanners with background suppr. Page 690
- AS-interface sensors Page 693

### Electrical connection



### Options

- Sensitivity adjustment via potentiometer
- Scanning range adjustment via multiturn potentiometer
- Transparent media
- Activation input (via AS-i)
- Switching output with configurable light/dark switching (via AS-i)
- Warning output (via AS-i)
- AS-interface slave address range: 1 ... 31
- AS-interface slave address range: 1 ... 62
- UL approval