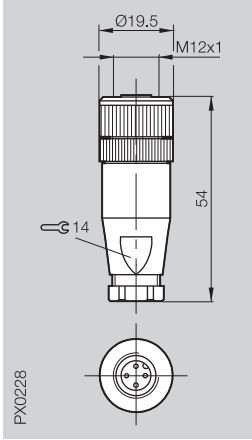
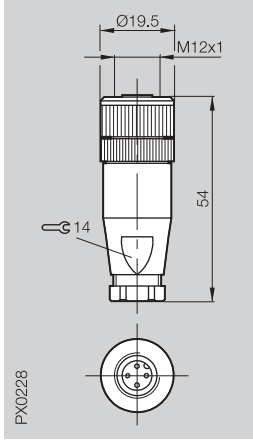
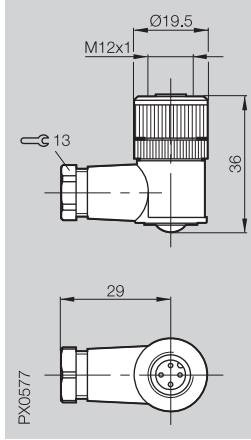
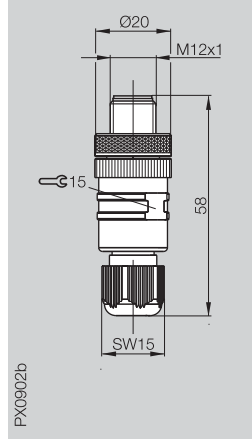
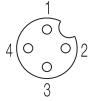
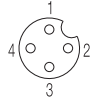
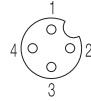

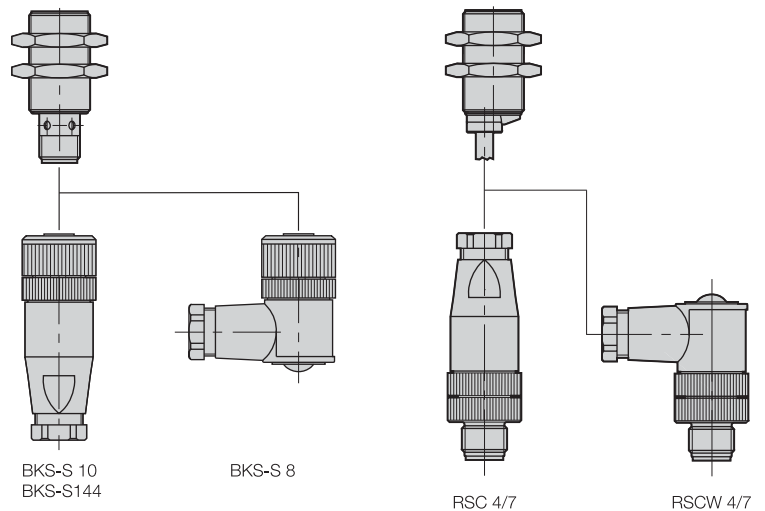


Connector Version	<b>BKS-S 10</b> straight female	<b>BKS-S144-00</b> straight female	<b>BKS-S 8</b> angle female	<b>RSC 4/7</b> straight male
Application	Plug sensors S4	Plug sensors S4	Plug sensors S4	female S4
				
no LED, complementary	BKS-S 10-3	BKS-S144-00	BKS-S 8-3	RSC 4/7
with LED, NO, PNP	BKS-S 10-4		BKS-S 8-4	
with LED, NO, NPN	BKS-S 10-6		BKS-S 8-6	
Supply voltage U <sub>B</sub>	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
Cable	for user assembly	for user assembly	for user assembly	for user assembly
No. of wires × cross-section	3/4× max. 0.75 mm <sup>2</sup>	3/4× max. 0.75 mm <sup>2</sup>	3/4× max. 0.75 mm <sup>2</sup>	3/4× max. 0.75 mm <sup>2</sup>
Cable diameter min.	Ø 4...6 mm	Ø 4...6 mm	Ø 4...6 mm	Ø 4...6 mm
Connection	Screw terminals	Screw terminals	Screw terminals	Screw terminals
Degree of protection per IEC 60529	IP 67	IP 68, 1 m, 30 days	IP 67	IP 67
Ambient temperature range T <sub>a</sub>	-40...+85 °C	<b>-25...+100 °C</b>	-40...+85 °C	-25...+90 °C
View of female/male side				

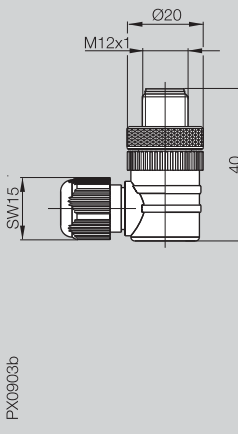
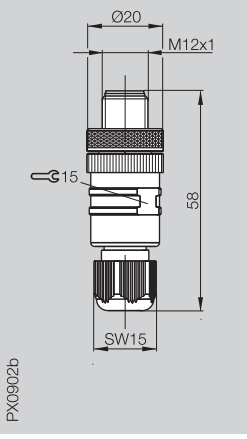
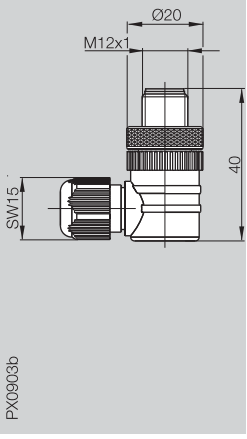
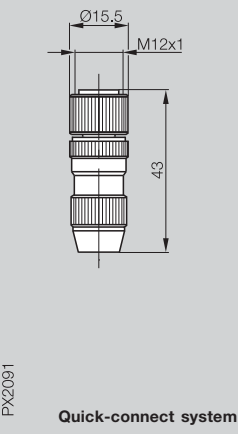
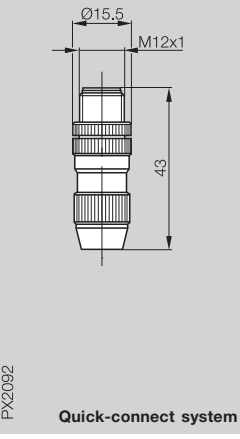





Sensors with connector  
Ordering code endings S4  
or sensors with cable

Connector for user assembly  
with connecting thread M12×1



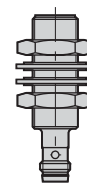
# M12 Accessories

DC connectors  
for user assembly  
M12 connection (S4)

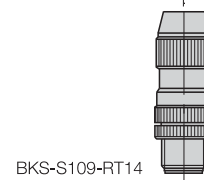
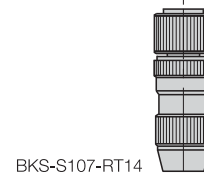
RSCW 4/7 angle male	RSC 5/7 straight male	RSCW 5/7 angle male	BKS-S107-RT14 straight female	BKS-S109-RT14 straight male
female S4	female S4	female S4	Plug sensors S4	female S4
				
RSCW 4/7	RSC 5/7	RSCW 5/7	BKS-S107-RT14	BKS-S109-RT14
10...30 V DC for user assembly 3/4× max. 0.75 mm <sup>2</sup> Ø 4...6 mm Screw terminals IP 67 -25...+90 °C	10...30 V DC for user assembly 5× max. 0.75 mm <sup>2</sup> Ø 3...6.5 mm Screw terminals IP 67 -25...+90 °C	10...30 V DC for user assembly 5× max. 0.75 mm <sup>2</sup> Ø 3...6.5 mm Screw terminals IP 67 -25...+90 °C	10...30 V DC for user assembly 3/4× 0.14...0.34 mm <sup>2</sup> Ø 4...5.1 mm Insulation displacement IDC IP 67 -25...+85 °C*	10...30 V DC for user assembly 3/4× 0.14...0.34 mm <sup>2</sup> Ø 4...5.1 mm Insulation displacement IDC IP 67 -25...+85 °C*
				

\*Assembling the cable to the connector over temperature range -5...+50 °C

**Sensors with connector**  
**Ordering code endings S4**

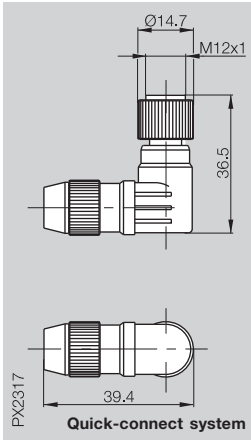
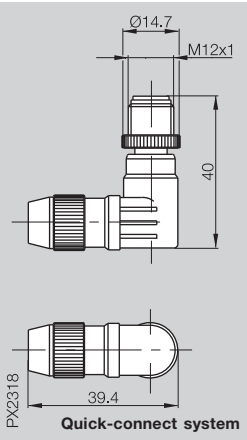
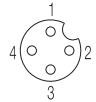



**Connectors for user assembly with connecting thread M12×1**



## 5

**Connectors**  
Splitter boxes with accessories  
Electrical devices  
Fasteners  
Tools

Connector	<b>BKS-S 76-RT04</b>	<b>BKS-S 77-RT04</b>			
Version	angle female	angle male			
Application	Plug sensors S4	female S4			
					
no LED, complementary	BKS-S 76-RT04	BKS-S 77-RT04			
Supply voltage U <sub>B</sub>	10...30 V DC	10...30 V DC			
Cable	for user assembly	for user assembly			
No. of wires × cross-section	3/4 × 0.25...0.5 mm <sup>2</sup>	3/4 × 0.25...0.5 mm <sup>2</sup>			
Cable diameter min.	Ø 4...5.1 mm	Ø 4...5.1 mm			
Connection	Insulation displacement	Insulation displacement			
Degree of protection per IEC 60529	IDC	IDC			
Ambient temperature range T <sub>a</sub>	IP 67 -25...+85 °C	IP 67 -25...+85 °C			
View of female/male side					

**Sensors with connector**  
**Ordering code endings S4**

**Connector for user assembly with connecting thread M12×1**

