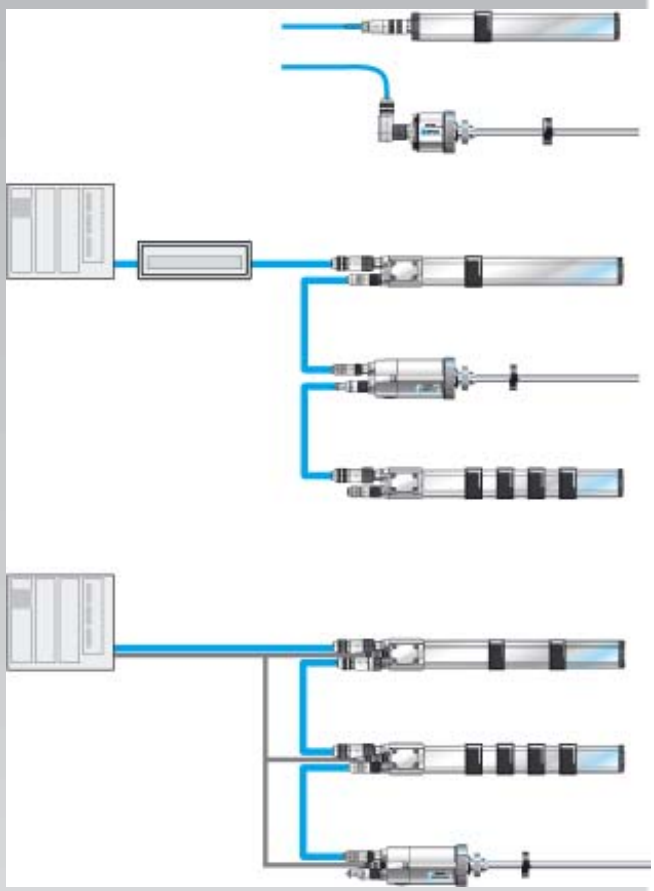
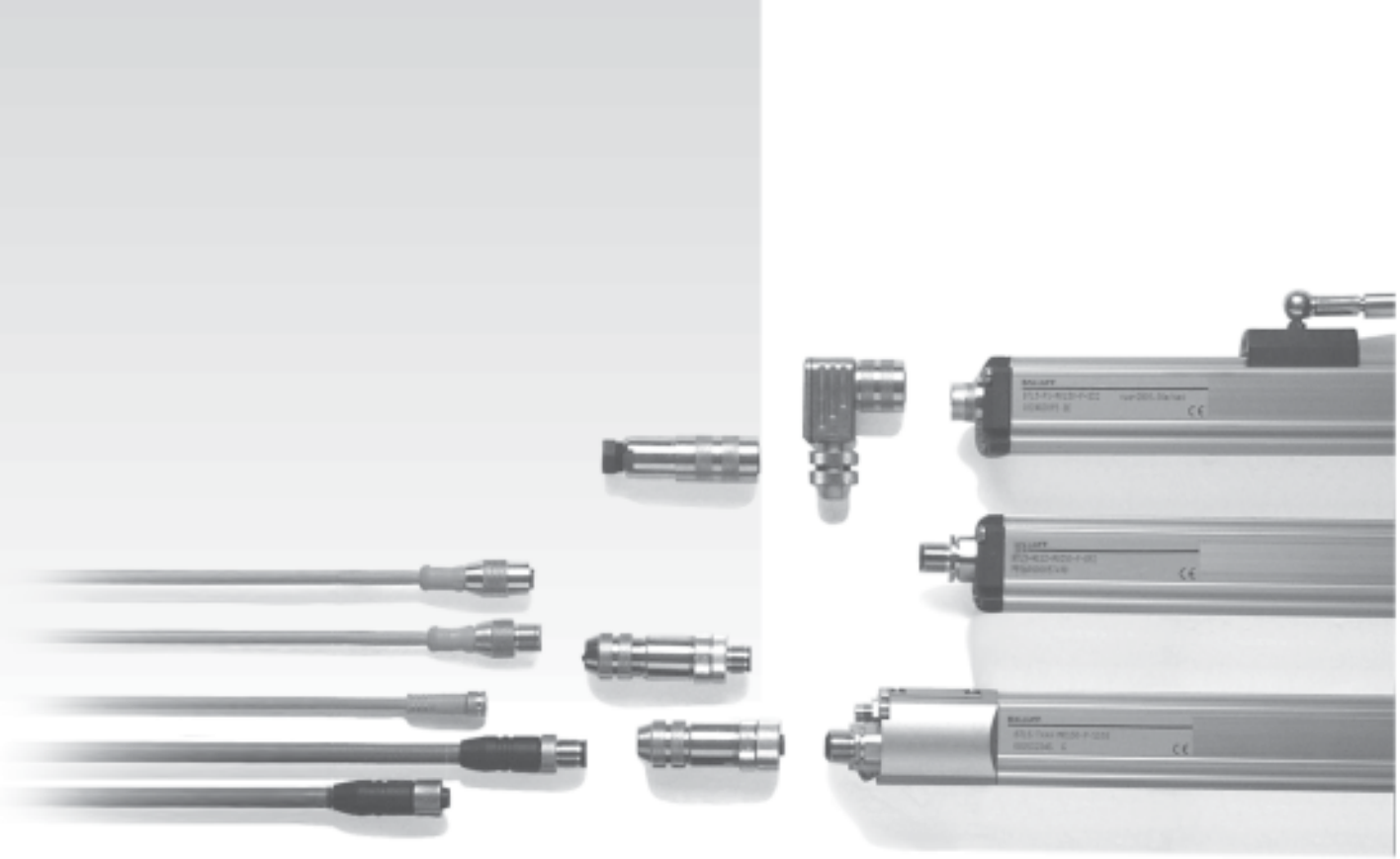
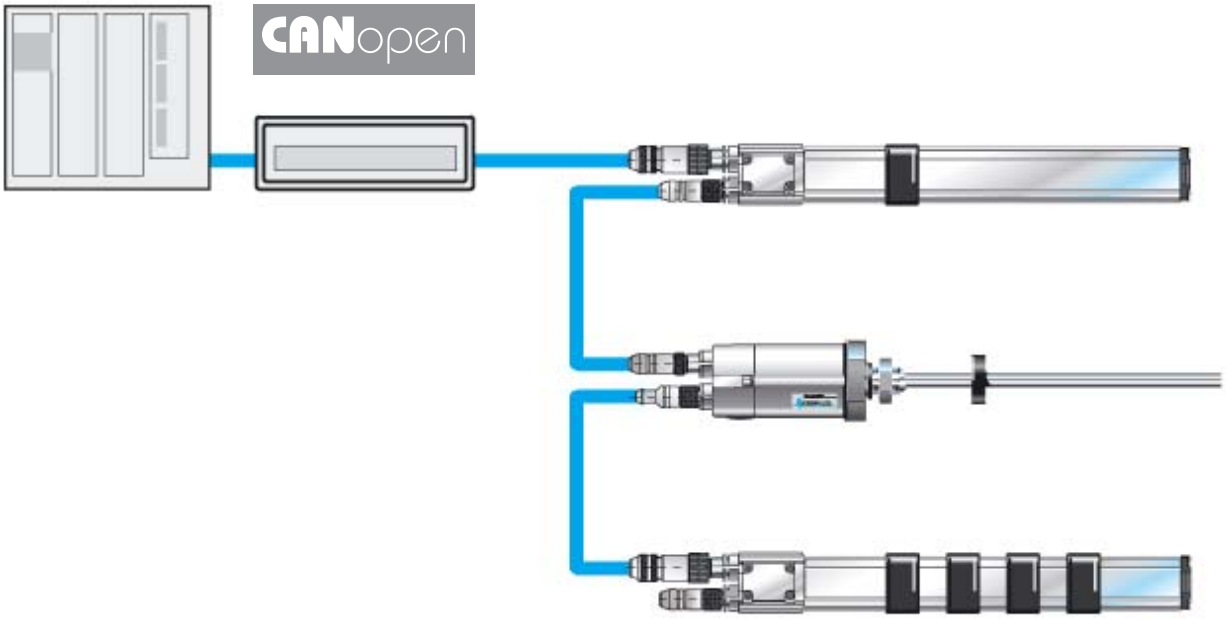


BKS.2 Connector overview
BKS.3 Connectors for Analog, Pulse and SSI interfaces
BKS.4 Connectors and accessories for CANopen and DeviceNet interfaces
BKS.6 Connectors and accessories for PROFIBUS-DP interface
BKS.8 Connectors for Profile series A1

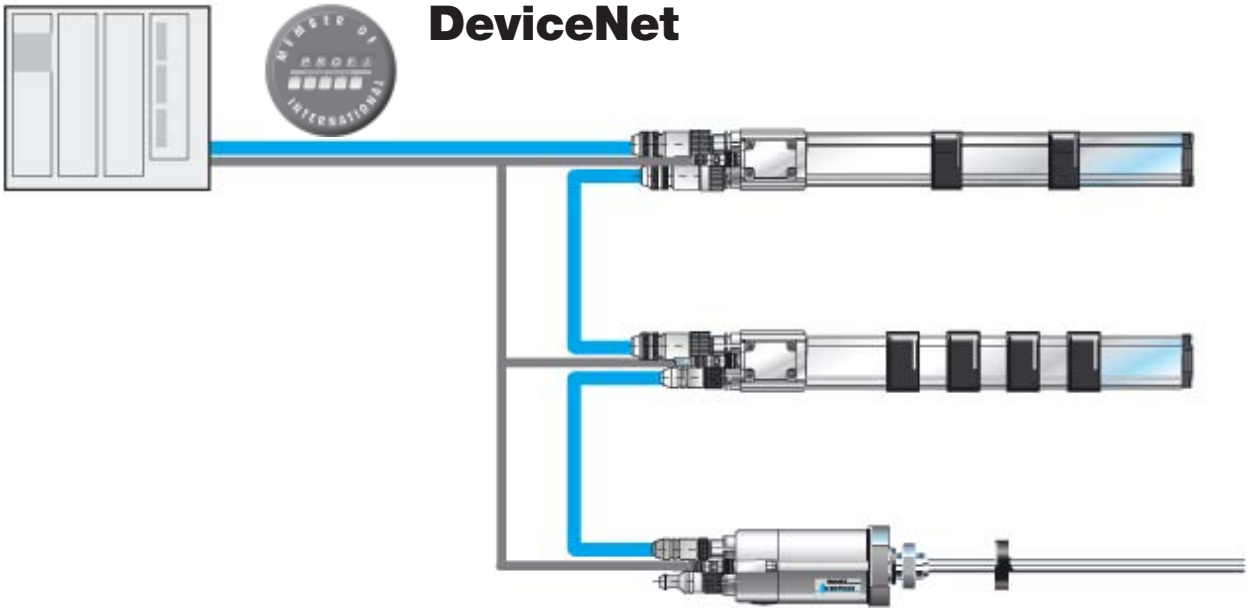


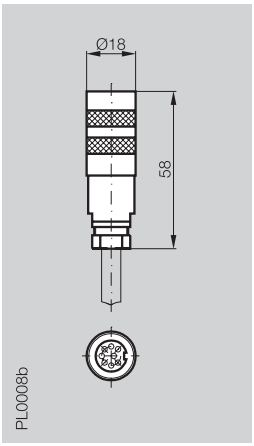
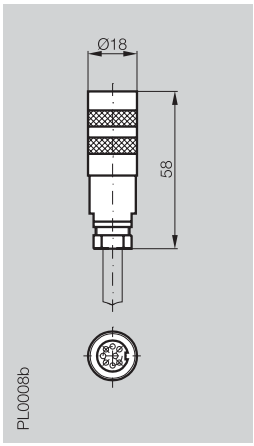
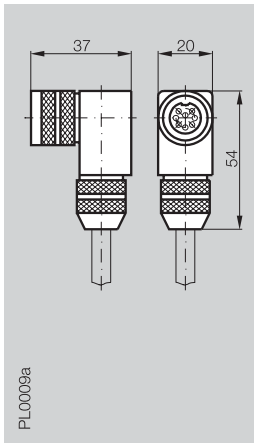
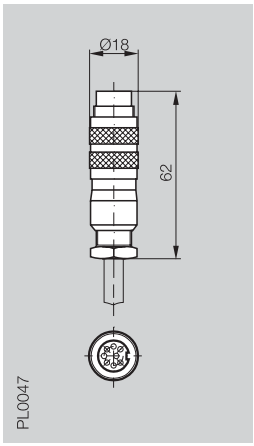
Connectors for Analog, Pulse and SSI interfaces

Connectors for CANopen

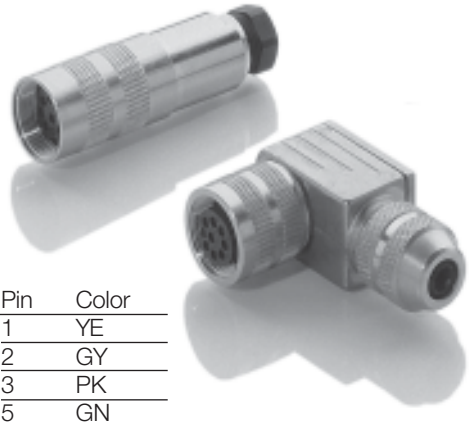


Connectors for PROFIBUS-DP and DeviceNet interfaces

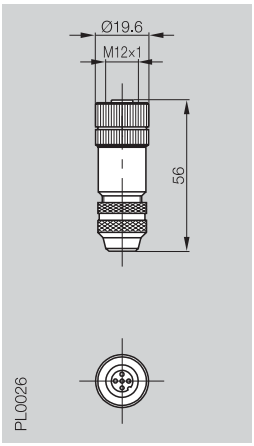
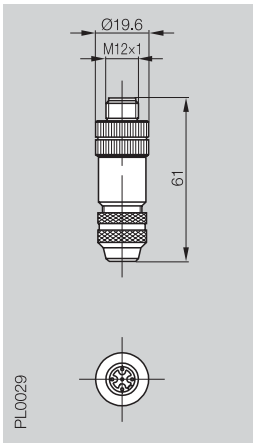
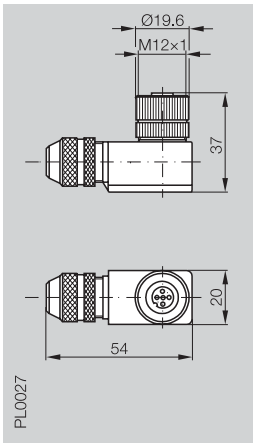
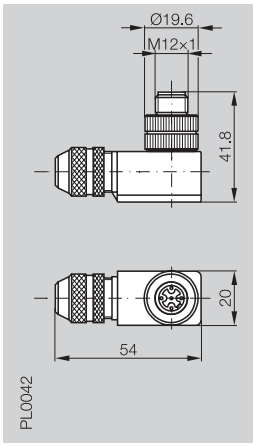


Connectors	**BKS-S 32M**	**BKS-S 32M-C**	**BKS-S 33M**	**BKS-S 78M**
for Series	BTL5-...-S 32	BTL5-...-S 32	BTL5-...-S 32	BTL5-...-S 32
	Soldered connections	Crimp contacts	Soldered connections	Soldered connections
Type	Straight, female	Straight, female	Right angle, female	Straight, male
				
Ordering code	**BKS-S 32M-_ _**	**BKS-S 32M-C-_ _**	**BKS-S 33M-_ _**	**BKS-S 78M-00**
Crimp contacts		max. 0.5 mm²/AWG 20		
Solder connection	max. 0.75 mm²		max. 0.75 mm²	max. 0.75 mm²
Housing material	Nickel plated brass	Nickel plated brass	ZnAlCu1 nickel plated	Nickel plated brass
Contacts	Brass	Brass	Brass	Brass
Contact finish	0.8 µm gold plated	0.8 µm gold plated	0.8 µm gold plated	0.8 µm gold plated
Cable strain relief	PG 9	PG 9	PG 9	PG 9
Cable diameter min.	6...8 mm	6...8 mm	6...8 mm	6...8 mm
Cable	Lif2Y-FC-11Y- 0	Lif2Y-FC-11Y- 0	Lif2Y-FC-11Y- 0	
No. of wires × conductor cross section	7×0.25 mm²	7×0.25 mm²	7×0.25 mm²	
Enclosure rating per IEC 60529	IP 67 (when attached)	IP 65 (when attached)	IP 67 (when attached)	IP 67 (when attached)

Please indicate cable length in ordering code!
Code 00 for self-assembly
(please use shielded cable).
Code 05, 10, 15, 20, 25, 30 m
for finished cable assembly.



Pin assignments	Pin	Color
	1	YE
	2	GY
	3	PK
	5	GN
	6	BU
View of	7	BN
female solder side	8	WH

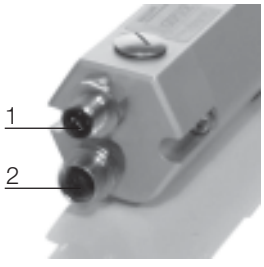
Connectors/accessories	**BKS-S 92-00**	**BKS-S 94-00**	**BKS-S 93-00**	**BKS-S 95-00**
for Series	BTL5-H_ _ _-S92/S93/S94	BTL5-H_ _ _-S92/S93/S94	BTL5-H_ _ _-S92/S93/S94	BTL5-H_ _ _-S92/S93/S94
	Screw terminals	Screw terminals	Screw terminals	Screw terminals
Type	5-pin, female	5-pin, male	5-pin, female	5-pin, male
				
Ordering code	**BKS-S 92-00**	**BKS-S 94-00**	**BKS-S 93-00**	**BKS-S 95-00**
Screw connection	max. 0.75 mm²	max. 0.75 mm²	max. 0.75 mm²	max. 0.75 mm²
Housing material	Nickel plated brass	Nickel plated brass	Nickel plated brass	Nickel plated brass
Contacts	Brass	Brass	Brass	Brass
Contact finish	0.8 µm gold plated	0.8 µm gold plated	0.8 µm gold plated	0.8 µm gold plated
Cable strain relief	PG 9	PG 9	PG 9	PG 9
Cable diameter	6...8 mm	6...8 mm	6...8 mm	6...8 mm
No. of wires × conductor cross section				
Enclosure rating per IEC 60529	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)
Knurled coupling ring				
Finish				
O-ring				
Resistor				
Coding	A	A	A	A
Socket on transducer	1	2	1	2

Pin assignments

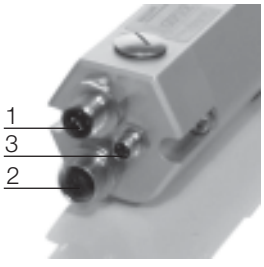
View of female coupling side

	BKS-S 92-00/-S 93-00/ -S 94-00/-S95-00		**BKS-S 94-R01**	
	Pin	Signal	Pin	Signal
	1	CAN_GND	1	–
	2	+24 V	2	–
	3	GND (0 V)	3	–
	4	CAN_HIGH	4	121 Ohms
	5	CAN_LOW	5	121 Ohms

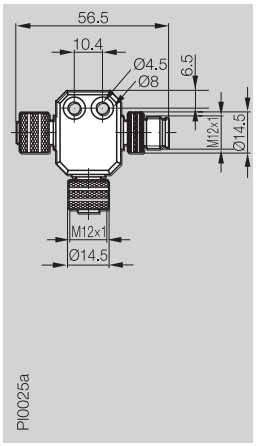
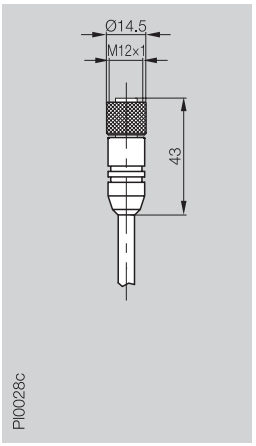
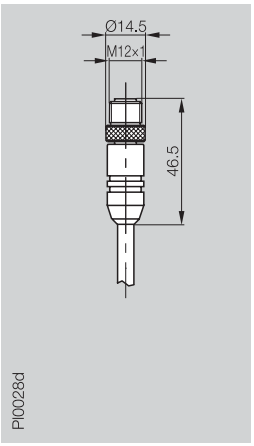
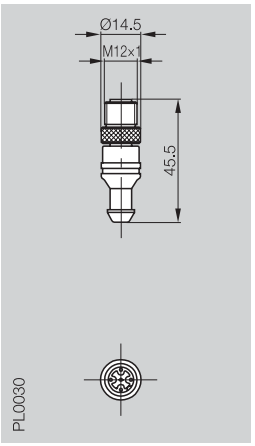
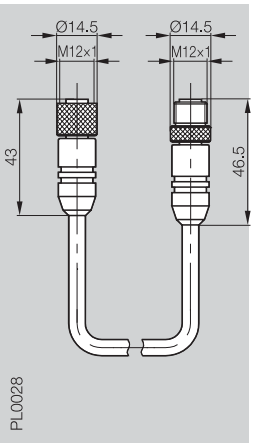
CANopen



DeviceNet

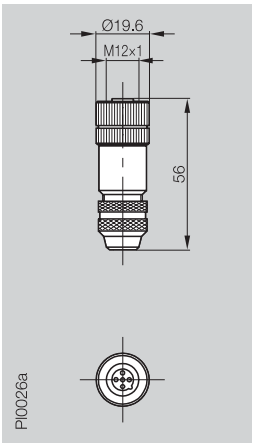
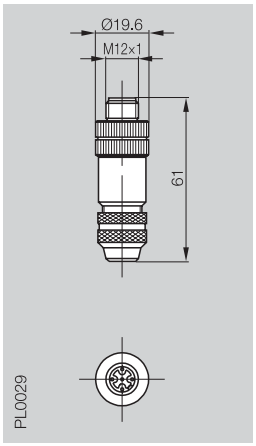
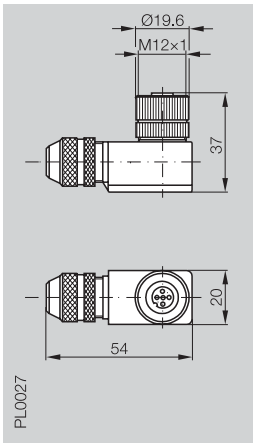
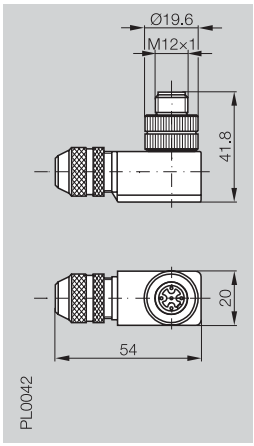


Socket 3
Power supply for DeviceNet:
BKS-S48-15-CP-...
page **BKS.**7

	BKS-S 92-TA1	**BKS-S137-19-PC-..._**	**BKS-S151-19-PC-...**	**BKS-S 94-R01**	**BKS-S 92-16/GS92-_ _**
	BTL5-H_ _ _-S 92	BTL5-H_ _ _-S92/S93/S94	BTL5-H_ _ _-S92/S93/S94	BTL5-H_ _ _-S92/S93/S94	BTL5-H_ _ _-S92/S93/S94
	T-splitter, 2 x F, 1x M	5-pin, female	5-pin, male	Termination resistor, male	Male/female extension
					
	BKS-S 92-TA1	BKS-S137-19-PC-...	BKS-S151-19-PC-...	BKS-S 94-R01	BKS-S 92-16/GS92-_ _
	PA	PUR	PUR	TPU	PUR
	Brass	Brass	Brass	Brass	Brass
	Ni	0.8 µm gold plated	0.8 µm gold plated	0.8 µm gold plated	0.8 µm gold plated
		5×0.25 mm²	5×0.25 mm²		5×0.34 mm²/AWG 22
	IP 67	IP 67	IP 67	IP 68	IP 67
	Brass	Brass	Brass	Brass	Brass
	2.5 µm Ni	2.5 µm Ni	2.5 µm Ni	2.5 µm Ni	2.5 µm Ni
	HBR	Viton	Viton	Viton	Viton
				121 Ohms	
	A	A	A	A	A
	1*	1	2	2	1/2
	*only for BTL5-H1...-M-P/B-S92	Please indicate cable length in ordering code! 02 = Length 2 m 05 = Length 5 m 10 = Length 10 m	Please indicate cable length in ordering code! 02 = Length 2 m 05 = Length 5 m 10 = Length 10 m		Please indicate cable length in ordering code! 02 = Length 2 m 05 = Length 5 m 10 = Length 10 m

Please order the clear view cover as an extra!

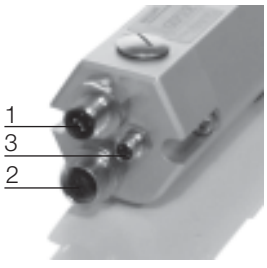
Order designation:
BTL5-A-CP01-K

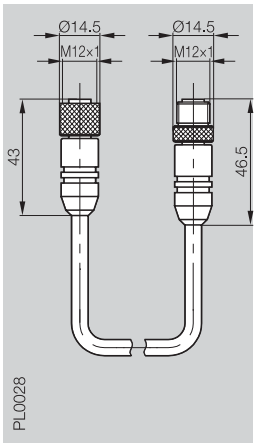
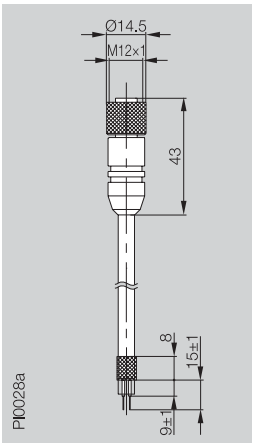
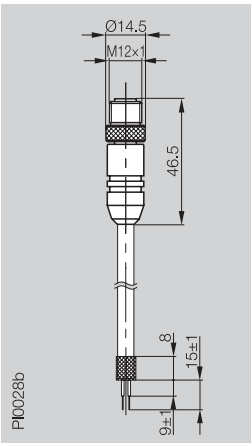
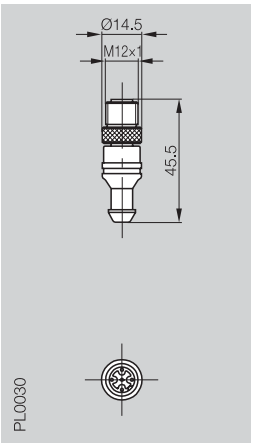
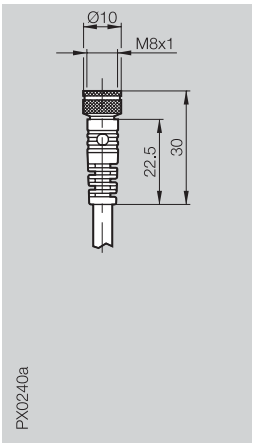
Connectors/accessories	**BKS-S 103-00**	**BKS-S 105-00**	**BKS-S 104-00**	**BKS-S 106-00**	
for Series	BTL5-T1...-S103	BTL5-T1...-S103	BTL5-T1...-S103	BTL5-T1...-S103	
Type	5-pin, female	5-pin, male	5-pin, female	5-pin, male	
					
Ordering code	BKS-S 103-00	BKS-S 105-00	BKS-S 104-00	BKS-S 106-00	
Screw connection	max. 0.75 mm²	max. 0.75 mm²	max. 0.75 mm²	max. 0.75 mm²	
Housing material	Nickel plated brass	Nickel plated brass	Nickel plated brass	Nickel plated brass	
Contacts	Brass	Brass	Brass	Brass	
Contact finish					
Cable strain relief	PG 9	PG 9	PG 9	PG 9	
Cable diameter	6...8 mm	6...8 mm	6...8 mm	6...8 mm	
No. of wires × conductor cross section					
Enclosure rating per IEC 60529	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)	
Knurled coupling ring					
O-ring					
Resistor					
Coding	B	B	B	B	
Socket on transducer	1	2	1	2	

Pin assignments

BTL5-T1_ _-M-_ _ _ -_-S103		5-pin	3-pin
Control and data signals	Data GND	3	
	RxD/TxD-N (A)	2	
	RxD/TxD-P (B)	4	
	VP +5 V	1	
Supply voltage and shield	+24 V		1
	0 V (GND)		3
	Ground PROFIBUS-DP	5	
	Shield Supply		4
Socket on transducer		1/2	3

PROFIBUS-DP



	BKS-S103/GS103-CP-_ _	**BKS-S103-CP-_ _**	**BKS-S105-CP-_ _**	**BKS-S 105-R01**	**BKS-S 48-15-CP-_ _**
	BTL5-T1...-S103	BTL5-T1...-S103	BTL5-T1...-S103	BTL5-T1...-S103	BTL5-T1...-S103
					Supply voltage
	Male/female extension	5-pin, female	5-pin, male	Termination resistor, male	3-pin, female
					
	BKS-S103/GS103-CP-_ _	BKS-S103-CP-_ _	BKS-S105-CP-_ _	BKS-S 105-R01	BKS-S 48-15-CP-_ _
	PUR	PUR	PUR	PUR	PUR
	Brass	Brass	Brass	Brass	Brass
	2×0.64 mm²/AWG 18	2×0.64 mm²/AWG 18	2×0.64 mm²/AWG 18		2×0.25 mm²/AWG 24
	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)	IP 67 (when attached)
	Nickel plated brass	Nickel plated brass	Nickel plated brass	Nickel plated brass	
	Viton	Viton	Viton	Viton	
				per PROFIBUS-DP	
	B	B	B	B	B
	1/2	1	2	2	3*
	Please indicate cable length in ordering code! 00.3 = Length 0.3 m 02 = Length 2 m 05 = Length 5 m 10 = Length 10 m	Please indicate cable length in ordering code! 00.3 = Length 0.3 m 02 = Length 2 m 05 = Length 5 m 10 = Length 10 m	Please indicate cable length in ordering code! 00.3 = Length 0.3 m 02 = Length 2 m 05 = Length 5 m 10 = Length 10 m		*also for DeviceNet page **BKS.**4 Please indicate cable length in ordering code! 02 = Length 2 m 05 = Length 5 m 10 = Length 10 m

Please order the clear view cover as an extra!

Order designation:
BTL5-A-CP01-K

BKS

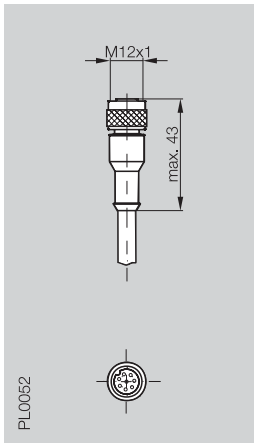
Connectors for Analog, Pulse and SSI interfaces

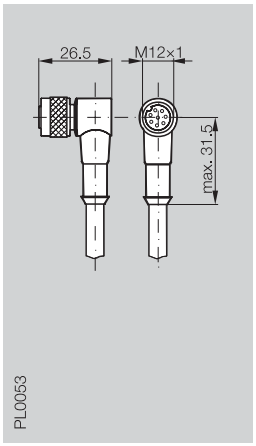
Connectors, T-splitters, termination resistors for CANopen and DeviceNet interfaces

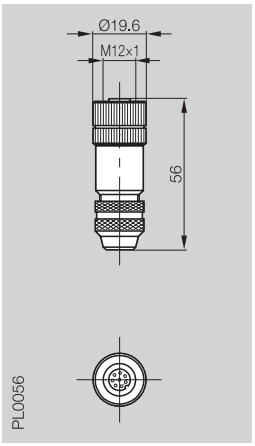
Connectors, termination resistors for PROFIBUS-DP-interface

Connectors for Profile series A1

Connectors for Series	**BKS-S115-PU-_ _** BTL6-_ _ _-S115	**BKS-S116-PU-_ _** BTL6-_ _ _-S115	**BKS-S115-00** BTL6-_ _ _-S115
Type	8-pin, Straight, female	8-pin, Right angle, female	8-pin, female

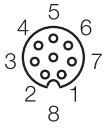






Ordering code	BKS-S115-PU-_ _	BKS-S116-PU-_ _	BKS-S115-00
Screw terminal			max. 0.75 mm²
Housing material	PUR	PUR	Nickel plated brass
Contacts	Brass	Brass	Brass
Contact finish	0.8 µm gold plated	0.8 µm gold plated	
Cable strain relief			PG 9
Cable diameter			6...8 mm
Enclosure rating per IEC 60529	IP 67	IP 67	IP 67 (when attached)
Knurled coupling ring	Brass	Brass	
Finish	2.5 µm Ni	2.5 µm Ni	
O-ring	Viton	Viton	Viton
Cable	Molded-on PUR		
No. of wires × conductor cross section	8×0.25 mm²		
Type	LIYY-CF11Y		
Conductor configuration	14 × 0.15 mm		
Outer diameter	6.6 ±0.2 mm		
Min. bending radius	dynamic 4 × D, static 3 × D		

Please indicate cable length in ordering code!
02 = Length 2 m
05 = Length 5 m
10 = Length 10 m
15 = Length 15 m
20 = Length 20 m
25 = Length 25 m



View of female

Pin	Color
1	YE
2	GY
3	PK
4	RD
5	GN
6	BU
7	BN
8	WH

Adapter BKS-S115 to BKS-S 32
Ordering code:
BKS-S115/GS32-PU-00.2