

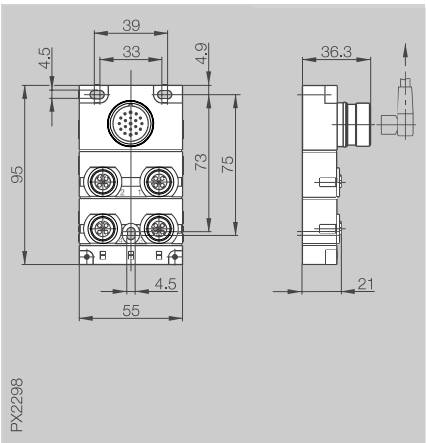
BALLUFF

Balluff Splitter Boxes BSB

... passive splitters as a supplement to field installations



Splitter boxes	BSB-04-F01P/4-...
Type	4× connector



Ordering code	BSB-04-F01P/4-M01M-2319
Rated operational voltage U_o	24 V DC
Supply voltage U_B	18...30 V DC
Function indicator	LED yellow
Power-on indicator	LED green
Sensor connection	5-pin female, M12×1
Control side connection	M23 connector, 19-pin
No. of terminals	4
Current load capacity	max. 4 A per contact
Total current	max. 12 A at +60 °C
Housing material	GD-Zn
Degree of protection per IEC 60529	IP 67 (when attached)
Ambient temperature range T_a	-25...+90 °C
View of female side/male side	

Please append cable length to ordering code!
Standard length 5 m or 10 m = 05 or 10



We offer a wide range of passive actuator-sensor boxes. These enable the user to collect signals in the field and centrally pass them to a controller or to bring signals from the controller to the actuators. The result is clear and decentralized wiring of the peripherals.

With its light, compact design the M8 and M12 splitter boxes with up to 8 positions take up little room and can be used in machines and systems wherever space is at a premium.



BSB-04-F01P/8-...

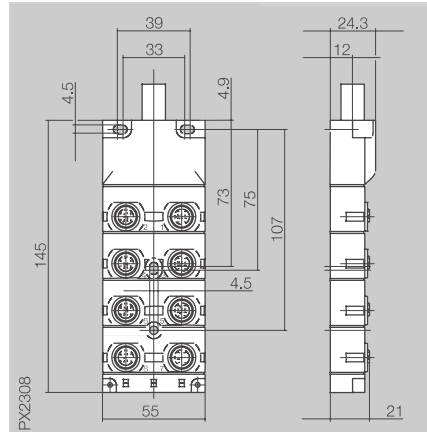
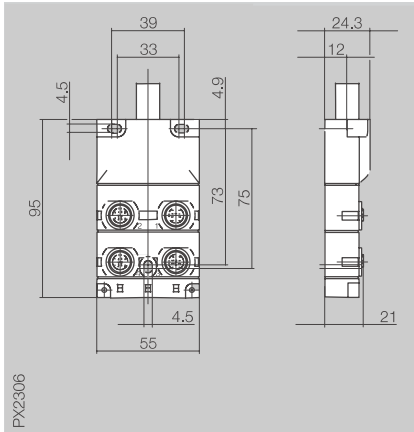
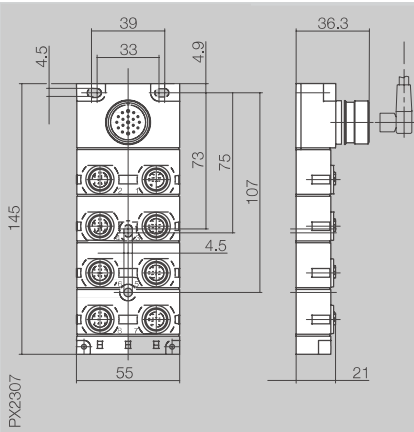
8× connector

BSB-04-F01P/4-...

4× cable

BSB-04-F01P/8-...

8× cable

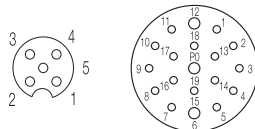


BSB-04-F01P/8-M01M-2319

24 V DC
18...30 V DC
LED yellow
LED green
5-pin female, M12×1
M23 connector, 19-pin

8
max. 4 A per contact
max. 12 A at +60 °C

GD-Zn
IP 67 (when attached)
-25...+90 °C



BSB-04-F01P/4-M02M-KP_ _

24 V DC
18...30 V DC
LED yellow
LED green
5-pin female, M12×1
molded-on PUR cable
8×0.5 mm² and 3×1 mm²

4
max. 4 A per contact
max. 12 A at +60 °C

GD-Zn
IP 67 (when attached)
-25...+90 °C



BSB-04-F01P/8-M02M-KP_ _

24 V DC
18...30 V DC
LED yellow
LED green
5-pin female, M12×1
molded-on PUR cable
16×0.5 mm² and 3×1 mm²

8
max. 4 A per contact
max. 12 A at +60 °C

GD-Zn
IP 67 (when attached)
-25...+90 °C



CE

BSB-04-F02P/8-...

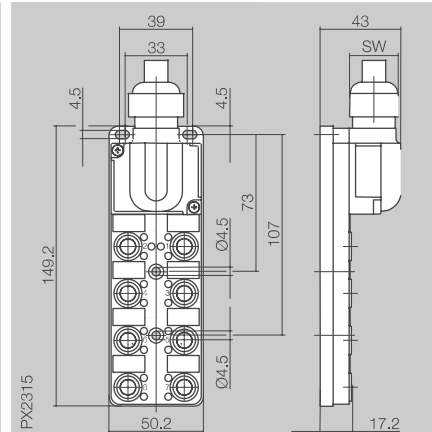
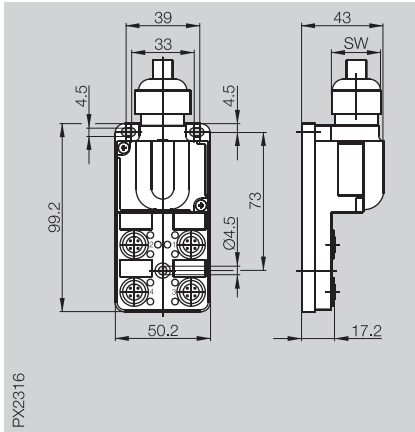
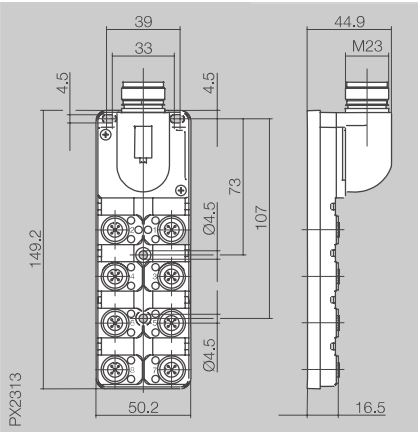
8× connector

BSB-04-P01P/4-...

4× cable

BSB-04-P01P/8-...

8× cable

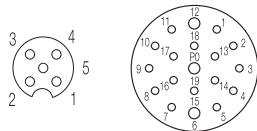


BSB-04-F02P/8-M02K-2319

24 V DC
18...30 V DC
LED yellow
LED green
5-pin female, M12×1
M23 connector, 19-pin

8
max. 4 A per contact
max. 16 A at +60 °C

PA 66
IP 67 (when attached)
-20...+80 °C



BSB-04-P01P/4-M02K-HKP- _ _

24 V DC
18...30 V DC
LED yellow
LED green
5-pin female, M12×1
molded-on PUR cable
8×0.34 mm² and 5×0.75 mm²

4
max. 4 A per contact
max. 8 A for 1× power feed
max. 16 A for 2× power feed

possible with removable jumper
PBT
IP 67 (when attached)
-20...+80 °C



BSB-04-P01P/8-M02K-HKP- _ _

24 V DC
18...30 V DC
LED yellow
LED green
5-pin female, M12×1
molded-on PUR cable
16×0.34 mm² and 5×0.75 mm²

8
max. 4 A per contact
max. 8 A for 1× power feed
max. 16 A for 2× power feed

possible with removable jumper
PBT
IP 67 (when attached)
-20...+80 °C



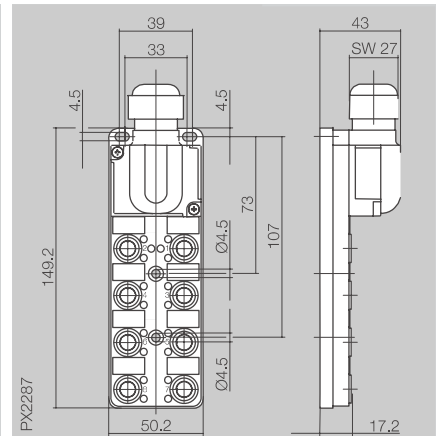
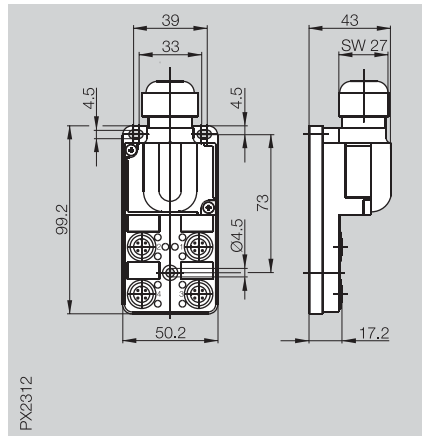
Splitter boxes
Type

BSB-04-P01P/4-...

4× with hood (without connection)

BSB-04-P01P/8-...

8× with hood (without connection)



Ordering code

BSB-04-P01P/4-M02K-HTS

BSB-04-P01P/8-M02K-HTS

Rated operational voltage U_o

24 V DC

24 V DC

Supply voltage U_B

18...30 V DC

18...30 V DC

Function indicator

LED yellow

LED yellow

Power-on indicator

LED green

LED green

Sensor connection

5-pin female, M12×1

5-pin female, M12×1

Control side connection

push-in terminals

push-in terminals

No. of terminals

4

8

Current load capacity

max. 4 A per contact

max. 4 A per contact

Total current

max. 8 A for 1× power feed

max. 8 A for 1× power feed

max. 16 A for 2× power feed

max. 16 A for 2× power feed

Potential isolation

possible with removable jumper

possible with removable jumper

Housing material

PBT

PBT

Degree of protection per IEC 60529

IP 67 (when attached)

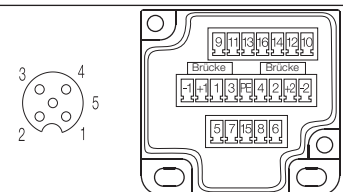
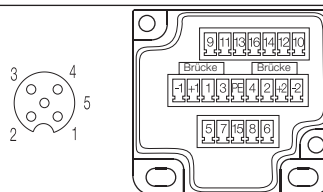
IP 67 (when attached)

Ambient temperature range T_a

-20...+80 °C

-20...+80 °C

View of female side/male side



Please append cable length to ordering code!

Standard length 5 m or 10 m = 05 or 10



M8

compact and light Accessories

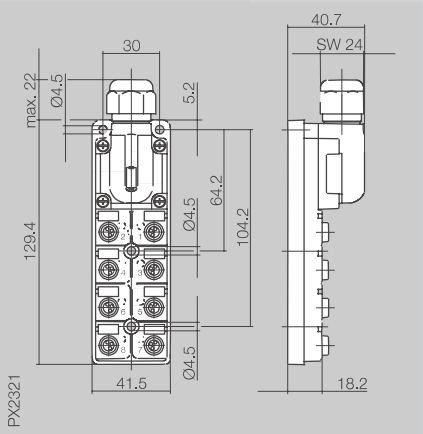
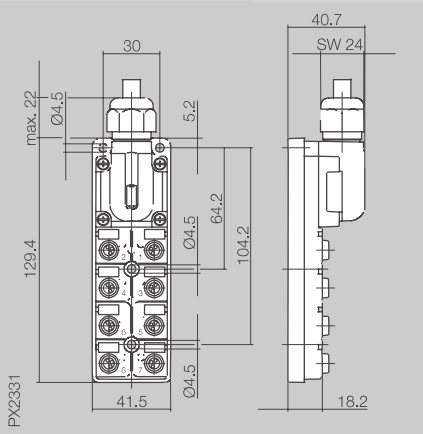
BSB Splitter Boxes
M8
Plastic

BSB-49-F01P/8-...

8x cable

BSB-49-F01P/8-...

8x with hood (without connection)



BSB-49-F01P/8-M02K-KP- _ _

24 V DC
18...30 V DC
LED yellow
LED green
3-pin female, M8x1
molded-on PUR cable
8x0.34 mm² and 2x0.75 mm²
8
max. 2 A per contact
max. 6 A

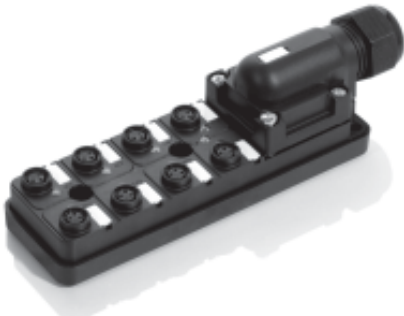
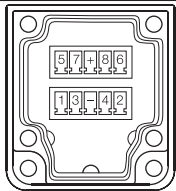
PBT
IP 67 (when attached)
-25...+85 °C



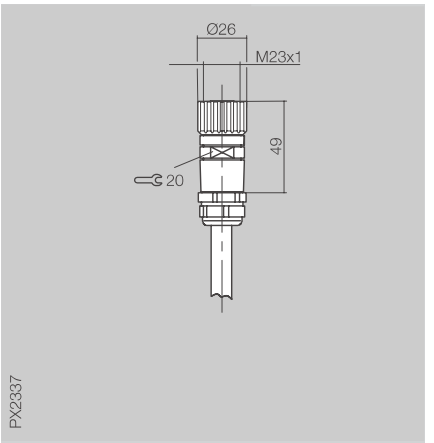
BSB-49-F01P/8-M02K-HTS

24 V DC
18...30 V DC
LED yellow
LED green
3-pin female, M8x1
push-in terminals
8
max. 2 A per contact
max. 6 A

PBT
IP 67 (when attached)
-25...+85 °C



Connector	BKS-S196
Type	straight female
	splitter, 4× connector



Ordering code	M23, 19 pins	BKS-S196-21-PU-__
Supply voltage U_B		18...30 V DC
Cable		molded-on PUR cable
No. of wires × cross-section		8×0.34 mm ² and 3×0.75 mm ²
Degree of protection per IEC 60529		IP 67
Ambient temperature range T_a		-20...+80 °C
Housing material		CuZn
View of female side		

Please append cable length to ordering code!
Standard length 5 m or 10 m = 05 or 10

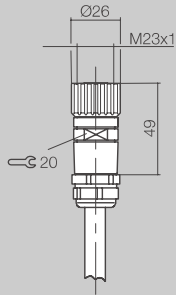
Ordering example
BKS-S196-21-PU-05 = PUR length 5 m



BKS-S196

straight female

splitter, 8× connector

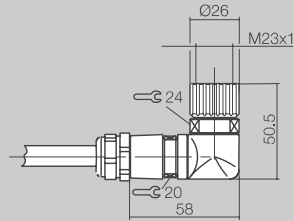


PX2337

BKS-S197

angle female

splitter, 4× connector

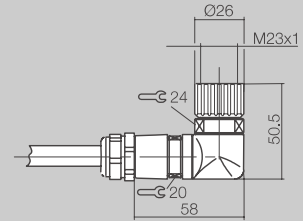


PX2336

BKS-S197

angle female

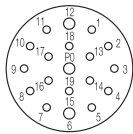
splitter, 8× connector



PX2336

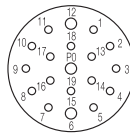
BKS-S196-22-PU- _ _

18...30 V DC
molded-on PUR cable
16×0.34 mm² and 3×0.75 mm²
IP 67
-20...+80 °C
CuZn



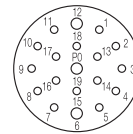
BKS-S197-21-PU- _ _

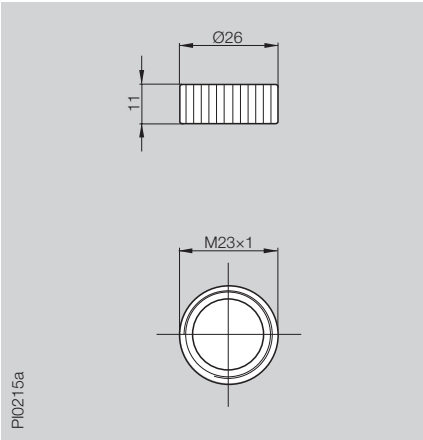
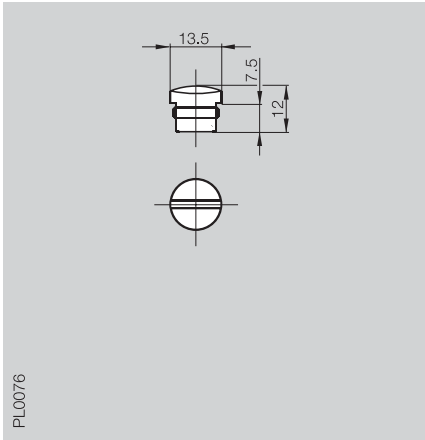
18...30 V DC
molded-on PUR cable
8×0.34 mm² and 3×0.75 mm²
IP 67
-20...+80 °C
CuZn



BKS-S197-22-PU- _ _

18...30 V DC
molded-on PUR cable
16×0.34 mm² and 3×0.75 mm²
IP 67
-20...+80 °C
CuZn

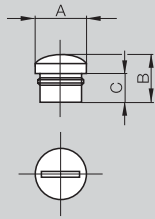


Description	Cover cap M23	Cover cap M12	
Application	IP 65 cover cap for unused connectors	IP 65 cover cap for unused connectors	
			
Ordering code	BKS 23-CS-00	BKS 12-CS-01	
Supply voltage U_B			
Rated operational current I_B			
Degree of protection per IEC 60529			
Ambient temperature range T_a	-20...+80 °C	-20...+80 °C	
Housing material	nickel plated brass	nickel plated brass	
View of female side			



Cover cap M8, M12

IP 65 cover cap for unused connectors

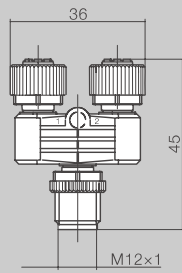


	A	B	C
BKS 08	Ø11	10.5	6
BKS 12	Ø13.5	12	7.5

PX1141a

Tee

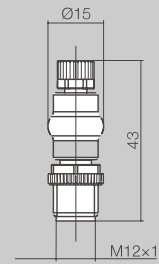
M12 male to M12 female 2x
2 signals on one port



PX2333

Adapter

M12 male 3-pin to M8 female 3-pin



PX2334

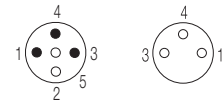
BKS 08-CS-00
BKS 12-CS-00

BKS-S4-TM1-01

BKS-S4-GM1-01/S49

max. 24 V DC
max. 4 A per contact
IP 67
-25...+90 °C
GD-Zn nickel plated

max. 24 V DC
max. 4 A per contact
IP 67
-25...+85 °C
GD-Zn nickel plated





BSB splitter boxes Plastic

Light and compact M8 and M12 plastic splitter boxes are used where mounting space is at a premium or moving machine parts are the rule. The plastic splitter boxes can be configured either complete or modular.

Features

- Custom tailored, versatile and light, for use as M8 or M12 splitter boxes
- Rapid installation and breakdown for transportation
- Potential isolation via jumpers possible

Typical applications for plastic version

- Assembly and handling machines
- Packaging technology
- Specialty machine building



BSB splitter boxes Metal

Fully cast metal splitter boxes offer maximum protection and security in harsh environments. The splitter boxes are especially rugged and therefore ideal for use in the harsh environment of machines and heavy equipment. This is where resistance, ruggedness and impermeability are the prerequisites.

Features

- Rugged and impermeable even under extreme conditions
- Resistant to common coolants and lubricants
- Highest shock resistance up to 50 g, vibration-immune
- Temperature resistant from $-25...+90^{\circ}\text{C}$

Typical applications for metal version

- Machine tools and machining centers
- Automotive
- Metal forming
- Foundries



For more products see main catalog "The Sensor Line" on CD-ROM, DVD-ROM or online!



www.balluff.com

Balluff GmbH
Schurwaldstrasse 9
73765 Neuhausen a.d.F.
Germany
Phone +49 7158 173-0
Fax +49 7158 5010
balluff@balluff.de