

Actuator/Sensor Distribution Boxes: M8 and M12 Connections



Passive Distribution Box (ASB Series)

Passive distribution boxes come in a variety of configurations and meet practically every on-machine application requirement. They include 4, 6, 10 or 12-port designs with M8 or M12 connections, single or duplex assignments, fixed home run cables or as an on-board pluggable variant. All variants are available with or without LED function indicators.

For particularly harsh environments, a series of distribution boxes with stainless steel housing and stainless steel screwing are available. The portfolio also includes actuator/sensor distribution boxes for avoiding electrostatic discharges. The distribution boxes are made from a special conductive plastic, which releases resulting electrostatic charges to the machine bed or machine ground, which is an indispensable part of universal ESD protection measures.

In order to meet the special requirements of the food and beverage industry, the product range includes distribution boxes whose materials are characterized by a high degree of resistance to aggressive cleaning and chemical agents.

Bundled, stable performance for full operational reliability

Flexibly and Quickly

Depending on the design, the bus can have a fixed connection to the distribution box or can be attached to the corresponding plug connection using an M12 or M23 connection line to provide more flexibility. Pluggable versions make it possible to replace individual defective wires instead of the entire distribution box, which facilitates quick maintenance and repair, while reducing costs.

Guaranteed Reliability

Lumberg Automation™ products are fully tested to ensure complete functionality and maximum operational reliability. LEDs for operating voltage and standard input/output signals make it easier to find errors relating to system malfunctions or other situations requiring maintenance or repair. This minimizes downtime.

IP67 - Resistance to Vibration and Jarring

Another advantage to using actuator/sensor distribution boxes is their particularly high level of resistance to vibration, which also increases the safety of the electrical wiring. With an minimum IP67 protection rating, actuator/sensor distribution boxes enable on-site installation close to inputs and outputs, which, in turn, simplifies the wiring and improves signal performance. A protective housing or additional protection using a subdistribution box is not necessary.

Optimal Handling

Lumberg Automation™ products combine compact construction and optimum handling characteristics to enable fast, easy, and safe wiring.

Compact: Due to their compact construction, M8 and M12 distribution boxes only take up a small amount of space in on machines or larger automated systems.

Turn 8 into 16

As with all Lumberg Automation™ distribution boxes, the gaps between individual slots have been designed to allow connection of 2-way T-distribution boxes, making it possible to control up to 16 actuators and sensors over a single 8-port distribution box.

For Harsh Environments

Stainless-steel models are also provided for use in food-processing machinery and other special applications where aggressive chemicals or cleaning agents are used.



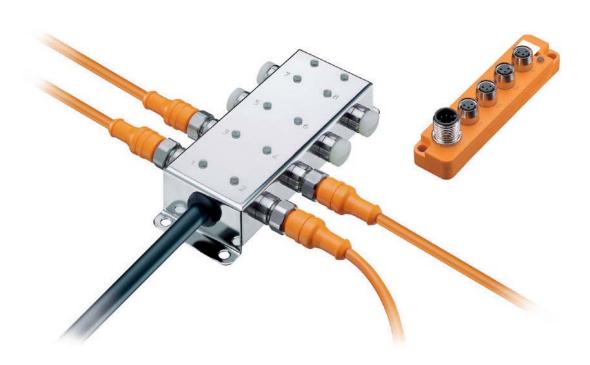
General Information

Standard features:

- Space-saving design for versatile applications in a minimum of space
- Quick installation, due to various fixing options
- Simple installation of both molded and field attachable connectors, thanks to displaced arrangement of the connections in the M8 distributors
- Broad range of applications, thanks to high vibration and shock resistance

Customer Benefits

- Cost savings/profit increases
- Simple installation and maintenance: because the signals are bundled, the time required is minimized
- Flexibility: various connection technologies (M12 and M8 sensors and actuators, pluggable on the side of the control unit or wired/flexible port variants from four to twelve)
- Ultimate reliability: fail-safe modules with long service life (long-term stability)
- Competitive edge, owing to simple procurement of spare parts via worldwide sales network



Excellent resistance, even under tough conditions

Product Features

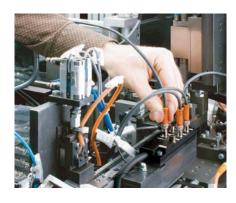
- Environmental temperature: -25°C to +80°C (variants also for outdoor applications from -40°C to +80°C)
- Materials (depending on type of module)
 - Housing: die-cast zinc, PBT, TPU or stainless steel
 - Insert: PA or PVC
 - Contacts: CuZn, pre-nickeled and gold plated
- Mechanical data
 - Protection class: IP67/IP69K
- Electrical data
 - Nominal current at +40°C: 1.5 A to 4 A per port and up to 12 A per module
 - Nominal voltage: 10 to 30 V DC
- Module construction/granulari
 - M8 pluggable: 4-, 6-, 8-, 10-way
 - M8 with cable: 4-, 6-, 8-, 10-, 12-way
 - M12: 4-, 6-, 8-way distributor
 - Single or duplex channel model
 - With/without LED
 - Pluggable or with molded cable (complete solutions with wide choice of variants, including customer-specific solutions and OEM solutions)





Matrix Actuator/Sensor Distribution Boxes

	Bus Cab	Bus Cable			Port I/O Type	
Number of Ports	Wired (standard lengths		gable	M8	M12	
	5, 10, 15 m)	M12	M23	IVIO	IVIIZ	
Actuator/Sensor Distributi	on Boxes					
With LED						
4 ports	✓	<u> </u>	✓	<u> </u>		
6 ports	✓	4	4	√	√	
8 ports	✓	4	4	4	4	
10 ports	✓	4	-	4	-	
12 ports	√	4	-	1	-	
Without LED						
4 ports	✓	4	4	4	4	
6 ports	✓	4	4	4	4	
8 ports	4	7	4	7	4	
10 ports	-	-	-	-	-	
12 ports	-	-	-	-	-	
Special Function						
Single wire connection on the rear	4	-	-	-	4	
Clamp terminals on the rear	-	-	_	-	1	
M23 male right angle connector	1	-	-	-	4	
Accessories Actuator/Sens	sor Distribution Boxes					
Cord sets, single-ended	-	-	-	4	4	
Cord sets, double-ended	=	_	-	1	4	
Field attachable connectors	_	-	-	1	4	
T-connectors	_	-	-	1	1	
Power distributor	_	J	J	_		





Pluggable M8 Rugged Distribution Boxes

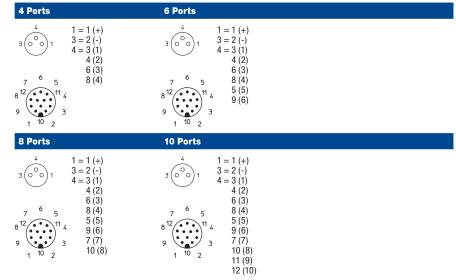
Technical Information

Product Description			
Туре	ASBSM LED	SBS 4/LED	
	UL 🍗 🥌 🗀	UL 🍗 🥌 🧲	
Description	ASB-S pluggable miniature actuator/sensor distribution box with LED operation and function indicators, 4 to 10 ports, M8 socket, 3-poles, 1 signal per socket, M12 connection for the control cable, 12-poles	ASB-Classic pluggable miniature sensor distribution box with LED operation and function indicators, 4 x M8 socket, 3-poles, 1 signal per socket, M12 connection for the control cable, 8-poles	
Technical Data			
Environmental Temperature	-25°C to +70°C		
Housing Material	PBT TPU, self-extinguishing		
Contact Insert	PA, self-extinguishing TPU, self-extinguishing		
Contact	CuZn, pre-nickeled and gold-plated M8, M12		
Mechanical Data			
Protection Class	IP67		
Electrical Data			
Volume Resistance	≤5	mΩ	
Rated Voltage	10 to 3	30 V DC	
Rated Current	1.5 A per outlet/1.5 A max. total 2 A per outlet/2 A max. total		
Included in Delivery			
M8 Dust Covers	2 pieces		
Attachable Labels	4 ports: 5 pieces 6 to 8 ports: 10 pieces 10 ports: 15 pieces	1 piece	

Wiring Diagram ASBSM... LED

yellow yellow

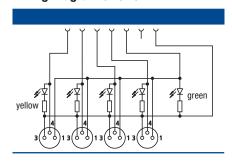
Pin Assignment ASBSM... LED

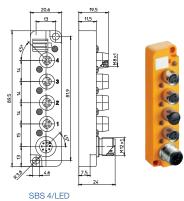


Pin Assignment SBS 4/LED

4 Ports 1 = 5 (+) 3 = 7 (-) 4 = 1 (1) 2 (2) 3 (3) 4 (4)

Wiring Diagram SBS 4/LED

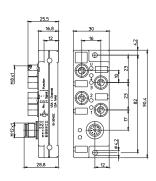




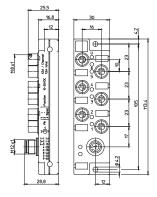
Ordering Designation

Ordering Designation	Performance
ASBSM 4/LED 3	4 ports
ASBSM 6/LED 3	6 ports
ASBSM 8/LED 3	8 ports

Ordering Designation	Performance
ASBSM 10/LED 3	10 ports
SBS 4/LED 3	4 ports



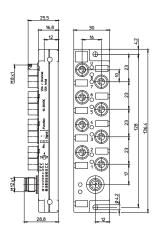
ASBSM 4/LED



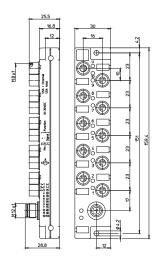
ASBSM 6/LED







ASBSM 8/LED



ASBSM 10/LED



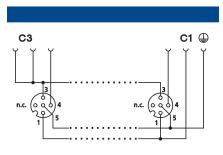


Pluggable M12 Rugged Distribution Boxes

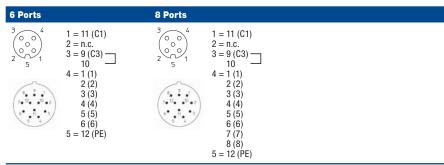
Technical Information

Product Description			
Туре	ASBS	ASBS LED	ASBS 8/LED 5-4/4E-4A
	UL 🍗 드	UL 🍗 🖦 🚛	UL 🍗 🦲 🚅
Description	ASB-Classic pluggable actuator/sensor distribution box, 6 and 8 ports, combined FIXCON®/M12 socket, 4-poles, 1 signal per socket, earth connection, M23 connection for the control cable, 12-poles	ASB-Classic pluggable actuator/sensor distribution box with LED operation and function indicators, 4, 6 and 8 ports, combined FIXCON®/M12 socket, 4-poles, 1 signal per socket, earth connection, M23 connection for the control cable, 12-poles	ASB-M pluggable actuator/sensor distribution box with LED operation and function indicators, 8 ports, to connect 4 standard sensors and 4 standard actuators with with separate power supply for inputs and outputs, combined FIXCON®/M12 socket, 4-poles, 1 signal per socket, M23 connection for the control cable, 12-poles
Technical Data			
Environmental Temperature	-15°C to +80°C		
Housing Material	TPU, self-extinguishing		
Contact Insert	PA GF, self-extinguishing		
Contact	CuZn, pre-nickeled and gold-plated M8, M12		
Mechanical Data			
Protection Class		IP67	
Electrical Data			
Volume Resistance	≤5 mΩ		
Rated Voltage	10 to 30 V DC	60 V DC	10 to 30 V DC
Rated Current	4 A per outlet/12 A max. total		
Included in Delivery			
M12 Dust Covers	2 pieces		
Attachable Labels		5 pieces	

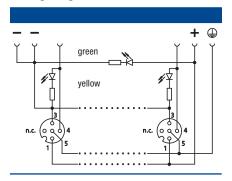
Wiring Diagram ASBS...



Pin Assignment ASBS...



Wiring Diagram ASBS... LED

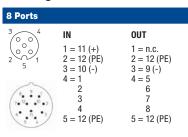


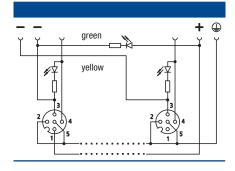
Pin Assignment ASBS... LED

4 Ports	6 Ports	8 Ports
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	3 0 0 4 1 = 11 (+) 2 = n.c. 3 = 9 (-) 1 10 2 1 (1) 4 = 1 (1) (2) 3 (3) 4 (4) 5 (5) 6 (6) 5 = 12 (PE)	1 = 11 (+) 2 = n.c. 3 = 9 (-) 1 10 4 = 1 (1) 2 (2) 3 (3) 4 (4) 5 (5) 6 (6) 7 (7) 8 (8) 5 = 12 (PE)

Pin Assignment ASBS 8/LED 5-4/4E-4A

Wiring Diagram ASBS 8/LED 5-4/4E-4A





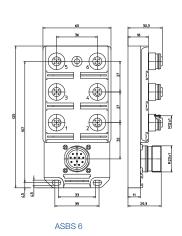


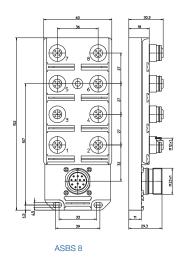


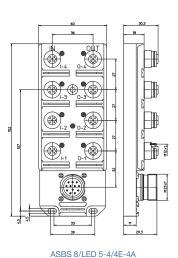
Ordering Designation

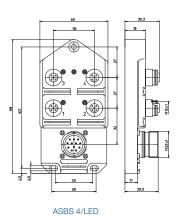
Ordering Designation	Performance
ASBS 6 5-4	6 ports
ASBS 8 5-4	8 ports
ASBS 4/LED 5-4	4 ports

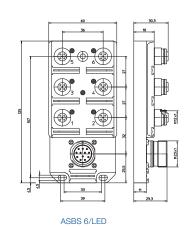
Ordering Designation	Performance
ASBS 6/LED 5-4	6 ports
ASBS 8/LED 5-4	8 ports
ASBS 8/LED 5-4/4E4A	8 ports

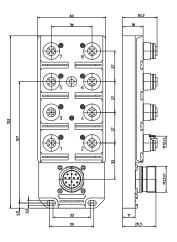










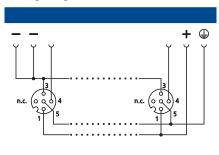


Pluggable M12 Rugged Distribution Boxes

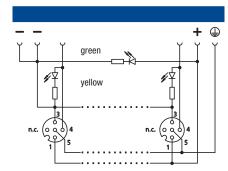
Technical Information

Product Description	Product Description				
Туре	ASBS-R	ASBS-R LED			
	CSA UL W	CSA UL M			
Description	ASB-R pluggable actuator/sensor distributor, 4 and 8 ports, M12 socket, 4-poles, 1 signal per socket, earth connection, M23 connection for the control cable, 12-poles	ASB-R pluggable actuator/sensor distributor, 4 and 8 ports, M12 socket, 4-poles, with LED operating and function display, 1 signal per socket, earth connection, M23 connection for the control cable, 12-poles			
Technical Data					
Environmental Temperature	-40°C to +80°C (for drag-chain applications -25°C to +60°C), UL max. +60°C				
Housing Material	Made of die-cast zinc; potting compound: 2K PUR				
Contact Insert	M12: PA, potted; M23: PBT				
Contact	CuZn, pre-nickeled and gold-plated				
Mechanical Data					
Protection Class	IP65/IP67				
Electrical Data					
Volume Resistance	≤5 mΩ				
Rated Voltage	11 to 30 V DC				
Rated Current	4 A per outlet/12 A max. total				
Included in Delivery					
M12 Dust Covers	2 pieces				
Attachable Labels	4 ports: 5 pieces, 8 ports: 10 pieces				

Wiring Diagram ASBS-R...



Wiring Diagram ASBS-R... LED

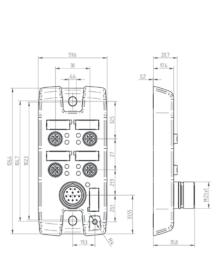


Pin Assignment

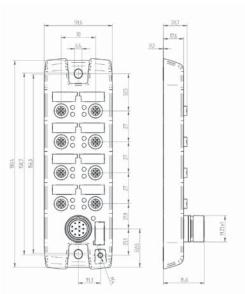
4 Ports		8 Ports		
3 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 = 11 (+) 2 = n.c. 3 = 9 10	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	4 = 1 (1) 2 (2) 3 (3) 4 (4) 5 (5) 6 (6) 7 (7) 8 (8)	
6° 1° 4° 3	5 = 12 (PE)	6 1 4 3	5 = 12 (PE)	

Ordering Designation

Ordering Designation	Performance
ASBS-R 4 5-4	4 ports
ASBS-R 8 5-4	8 ports
ASBS-R 4/LED 5-4	4 ports
ASBS-R 8/LED 5-4	8 ports



ASBS-R 4/ASBS-R 4 LED



ASBS-R 8/ASBS-R 8 LED



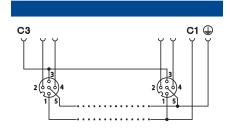


Pluggable M12 Rugged Distribution Boxes

Technical Information

Туре	ASBSV	ASBSV LED	ASBSVD 8/LED W5	
	UL 🍗 듮 🗀	UL 🍗 🧫 🧲	UL 🍗 🧫 🧲	
			9999 9999	
Description	ASB-Classic pluggable actuator/sensor distribution box, 4, 6 and 8 ports, combined FIXCON®/M12 socket, 5-poles, 2 signals per socket, earth connection, M23 connection for the control cable, 19-poles	ASB-Classic pluggable actuator/sensor distribution box with LED operation and function indicators, 4, 6 and 8 ports, combined FIXCON®/M12 socket, 5-poles, 2 signals per socket, earth connection, M23 connection for the control cable, 19-poles	ASB-M pluggable actuator/sensor distribution box with LED operation and function indicators, 8 ports, with integrated electronic fuses with 500 mA for outputs, 100 mA for inputs and diagnostic display, combined FIXCON®/M12 socket, 5-poles, earth connection, M23 connection for the control cable, 19-poles	
Technical Data Environmental Temperature	1500+	0.19090	0°C to +60°C	
Housing Material		-15°C to +80°C		
Contact Insert		TPU, self-extinguishing		
Contact	raui, seii-	PA GF, self-extinguishing CuZn, pre-nickeled and gold-plated M8, M12		
Mechanical Data		ouzh, pre-mekeleu anu golu-piateu ivio, ivi iz		
Protection Class		IP67		
Electrical Data				
Volume Resistance		≤ 5 mΩ		
Rated Voltage	10 to 30 V DC	60 V DC	10 to 30 V DC	
Rated Current	4 A per outlet/12 A max. total	4 A per outlet/10 A max. total	7.5 A max. total	
Included in Delivery				
M12 Dust Covers		2 pieces		
Attachable Labels	10 pieces			

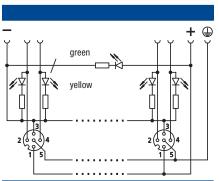
Wiring Diagram ASBSV...



Pin Assignment ASBSV...

4 Ports		6 Ports		8 Ports		
2 2 3 4	= 19 (C1) = 1 (7) 2 (4) 3 (8) 4 (14) = 6 (C3) = 1 (15) 2 (5) 3 (16) 4 (3) = 12 (PE)		1 = 19 (C1) 2 = 1 (7) 2 (4) 3 (8) 4 (14) 5 (9) 6 (13) 3 = 6 (C3) 4 = 1 (15) 2 (5) 3 (16) 4 (3) 5 (17) 6 (2) 5 = 12 (PE)	3000	1 = 19 (C1) 2 = 1 (7) 2 (4) 3 (8) 4 (14) 5 (9) 6 (13) 7 (10) 8 (18) 3 = 6 (C3)	4 = 1 (15) 2 (5) 3 (16) 4 (3) 5 (17) 6 (2) 7 (11) 8 (1) 5 = 12 (PE)

Wiring Diagram ASBSV... LED



Pin Assignment ASBSV... LED

4 Ports		6 Ports		8 Ports		
	1 = 19 (+) 2 = 1 (7) 2 (4) 3 (8) 4 (14) 3 = 6 (-) 4 = 1 (15) 2 (5) 3 (16) 4 (3) 5 = 12 (PE)		1 = 19 (+) 2 = 1 (7) 2 (4) 3 (8) 4 (14) 5 (9) 6 (13) 3 = 6 (-) 4 = 1 (15) 2 (5) 3 (16) 4 (3) 5 (17) 6 (2) 5 = 12 (PE)		1 = 19 (+) 2 = 1 (7) 2 (4) 3 (8) 4 (14) 5 (9) 6 (13) 7 (10) 8 (18) 3 = 6 (-)	4 = 1 (15) 2 (5) 3 (16) 4 (3) 5 (17) 6 (2) 7 (11) 8 (1) 5 = 12 (PE)

Pin Assignment ASBSVD 8/LED W5

8 Ports			
3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 = +24 V (19) 3 = 0 V (6) 5 = 12 (PE)	Channel B 2 = 1 (7) 2 (4) 3 (8) 4 (14) 5 (9) 6 (13) 7 (10) DIA (18)	Channel A 4 = 1 (15) 2 (5) 3 (16) 4 (3) 5 (17) 6 (2) 7 (11) 8 (1)

Diagnostic Indication ASBSVD 8/LED W5

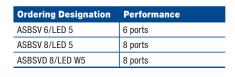
Indicator	Condition
Yellow/white	Function
Red	Periphery error*
Green	System power supply
	Yellow/white Red

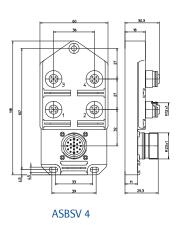
^{*} The peripheral error is sent as a collective message via the supply line to the control system. This message can be evaluated by the control system and issued as an error message. Therefore there is no channel B available for socket 8.

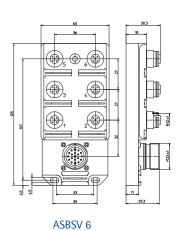
ASBSVD 8/LED W5

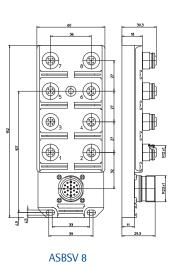
Ordering Designation

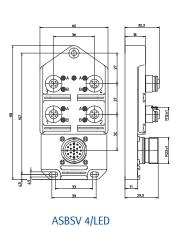
Ordering Designation	Performance
ASBSV 4 5	4 ports
ASBSV 6 5	6 ports
ASBSV 8 5	8 ports
ASBSV 4/LED 5	4 ports

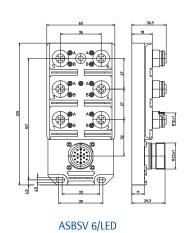


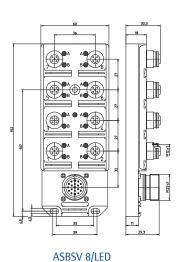










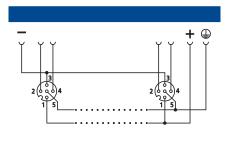


Pluggable M12 Rugged Distribution Boxes

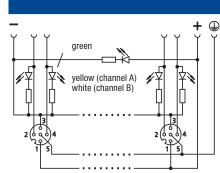
Technical Information

Product Description				
Туре	ASBSV-R	ASBSV-R LED		
	CSA UL Y	CSA UL Y		
Description	ASB-R pluggable actuator/sensor distributor, 4 and 8 ports, M12 socket, 5-poles, 2 signals per socket, earth connection, M23 connection for the control cable, 19-poles	ASB-R pluggable actuator/sensor distributor, 4 and 8 ports, M12 socket, 5-poles, with LED operating and function display, 2 signals per socket, earth connection, M23 connection for the control cable, 19-poles		
Technical Data				
Environmental Temperature	-40°C to +80°C (for drag-chain applications -25°C to +60°C), UL max. +60°C			
Housing Material	Made of die-cast zinc; potting compound: 2K PUR			
Contact Insert	M12: PA, potted; M23: PBT			
Contact	CuZn, pre-nickeled and gold-plated			
Mechanical Data				
Protection Class	IP65	7/IP67		
Electrical Data				
Volume Resistance	≤5	mΩ		
Rated Voltage	11 to 30 V DC			
Rated Current	4 A per outlet/12 A max. total			
Included in Delivery				
M12 Dust Covers	2 pieces			
Attachable Labels	4 ports: 5 pieces,	8 ports: 10 pieces		

Wiring Diagram ASBSV-R...



Wiring Diagram ASBSV-R... LED

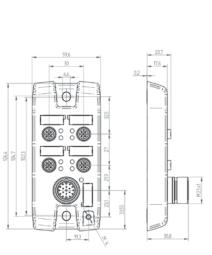


Pin Assignment

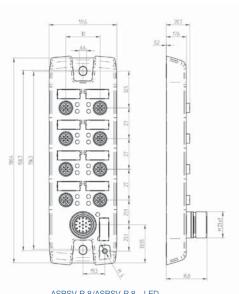
4 Ports		8 Ports			
2 5 1	1 = 19 (+) 2 = 1 (7) 2 (4) 3 (8) 4 (14) 3 = 6 (-) 4 = 1 (15) 2 (5) 3 (16) 4 (3) 5 = 12 (PE)		1 = 19 (+) 2 = 1 (7) 2 (4) 3 (8) 4 (14) 5 (9) 6 (13) 7 (10) 8 (18) 3 = 6 (-)	4 = 1 (15) 2 (5) 3 (16) 4 (3) 5 (17) 6 (2) 7 (11) 8 (1) 5 = 12 (PE)	

Ordering Designation

Ordering Designation	Performance
ASBSV-R 4 5	4 ports
ASBSV-R 8 5	8 ports
ASBSV-R 4/LED 5	4 ports
ASBSV-R 8/LED 5	8 ports







ASBSV-R 8/ASBSV-R 8... LED



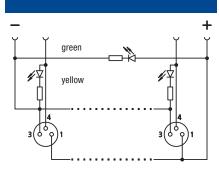


Wired M8 Rugged Distribution Boxes

Technical Information

Product Description			
Туре	ASBM LED	SB 8/LED	
	UL 🍗 🧫 🗀	UL 🍗 🥌 🧲	
		2222222	
Description	ASB-S wired miniature actuator/sensor distribution box with LED operation and function indicators, 4, 6, 8, 10 and 12 ports, M8 socket, 3-poles, 1 signal per socket, with integrated control cable, PUR jacket, halogen-free, black	ASB-Classic wired miniature actuator/sensor distribution box with LED operation and function indicators, 8 ports, M8 socket, 3-poles, 1 signal per socket, with integrated control cable, PUR jacket, halogen-free, black	
Technical Data			
Environmental Temperature	-25°C to +70°C	-15°C to +80°C	
Housing Material	PBT	TPU	
Contact Insert	PA, self-extinguishing		
Contact	CuZn, pre-nickeled and gold-plated M8, M12		
Mechanical Data			
Protection Class	IP67		
Electrical Data			
Volume Resistance	≤5	mΩ	
Rated Voltage	10 to 3	30 V DC	
Rated Current	1.5 A per outlet/1.5 A max. total	2 A per outlet/2 A max. total	
Included in Delivery			
M8 Dust Covers	2 pi	eces	
Attachable Labels	4 ports: 5 pieces 6 to 8 ports: 10 pieces 10 to 12 ports: 15 pieces	1 piece	

Wiring Diagram ASBM... LED



Pin Assignment ASBM... LED

4 Ports		o Ports		o Ports
3001	1 = brown (+) 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4)	3 0 0 1	1 = brown (+) 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6)	1 = brown (+) 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8)
10 Ports		12 Ports		
3 0 0 1	1 = brown (+) 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8) grey/pink (9) red/blue (10)	3 0001	1 = brown (+) 3 = blue (-)	4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8) grey/pink (9) red/blue (10) white/green (11) brown/green (12)

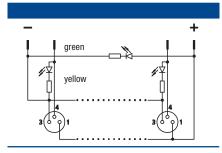
Pin Assignment SB 8/LED

8 Ports



1 = brown (+) 3 = blue(-)4 = white (1)green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8)

Wiring Diagram SB 8/LED

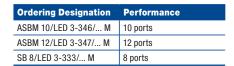


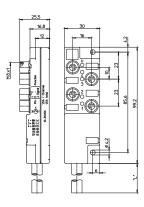
-	

Ordering Designation

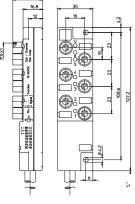
Ordering Designation	Performance
ASBM 4/LED 3-343/ M	4 ports
ASBM 6/LED 3-344/ M	6 ports
ASBM 8/LED 3-345/ M	8 ports

Standard lengths ASBM: 5, 10 and 15 meter. Standard lengths SB: 5 and 10 meter. Other cable lengths or cable specifications on request.

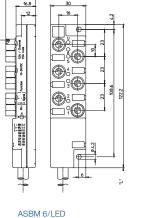


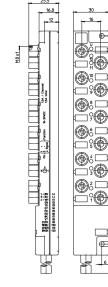


ASBM 4/LED

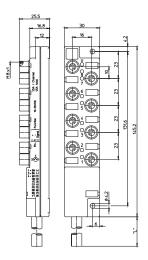




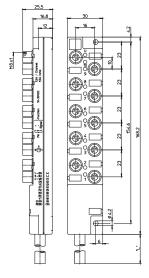




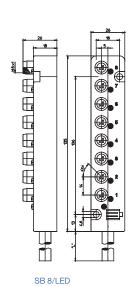
ASBM 12/LED



ASBM 8/LED





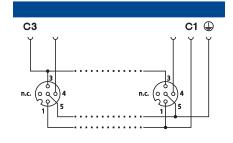


Wired M12 Rugged Distribution Boxes

Technical Information

Product Description				
Туре	ASB	ASB LED		
	UL 🍗 🖦 🗀	UL 🍗 🥌 筐		
Description	ASB-Classic wired actuator/sensor distribution box, 4, 6 and 8 ports, combined FIXCON®/M12 socket, 4-poles, 1 signal per socket, no LED, earth connection, with integrated control cable, PUR jacket, halogenfree, black	ASB-Classic wired actuator/sensor distribution box with LED operation and function indicators, 4, 6 and 8 ports, combined FIXCON®/M12 socket, 4-poles, 1 signal per socket, earth connection, with integrated control cable, PUR jacket, halogen-free, black		
Technical Data				
Environmental Temperature	-15°C to +80°C			
Housing Material	TPU			
Contact Insert	PA GF, self-extinguishing			
Contact	CuZn, pre-nickeled and gold-plated M8, M12			
Mechanical Data				
Protection Class	IP	² 67		
Electrical Data				
Volume Resistance	≤5 mΩ			
Rated Voltage	60 V DC	10 to 30 V DC		
Rated Current	4 A per outlet/12 A max. total			
Included in Delivery				
M12 Dust Covers	2 pi	ieces		
Attachable Labels	10 pieces			

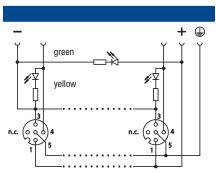
Wiring Diagram ASB...



Pin Assignment ASB...

4 Ports		6 Ports		8 Ports	
3 4	1 = brown (C1) 2 = n.c. 3 = blue (C3) 4 = white (1) green (2) yellow (3) grey (4) 5 = green/yellow (PE)	3 0 0 4	1 = brown (C1) 2 = n.c. 3 = blue (C3) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red 6) 5 = green/yellow (PE)	3 0 0 4	1 = brown (C1) 2 = n.c. 3 = blue (C3) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8) 5 = green/yellow (PE)

Wiring Diagram ASB... LED



Pin Assignment ASB... LED

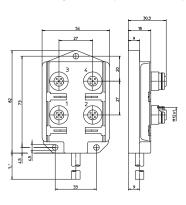
4 Ports		6 Ports		8 Ports	
	1 = brown (+) 2 = n.c. 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4) 5 = green/yellow (PE)	3 0 0 4	1 = brown (+) 2 = n.c. 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) 5 = green/yellow (PE)	3 0 0 4 2 5 1	1 = brown (+) 2 = n.c. 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8) 5 = green/yellow (PE)

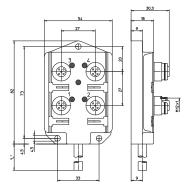
Ordering Designation

Ordering Designation	Performance
ASB 4 5-4-328/ M	4 ports
ASB 6 5-4-330/ M	6 ports
ASB 8 5-4-331/ M	8 ports

Ordering Designation	Performance
ASB 4/LED 5-4-328/ M	4 ports
ASB 6/LED 5-4-330/ M	6 ports
ASB 8/LED 5-4-331/ M	8 ports

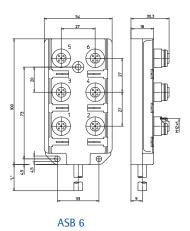
Standard lengths: 5 and 10 meter. Other cable lengths or cable specifications on request.

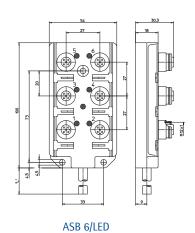


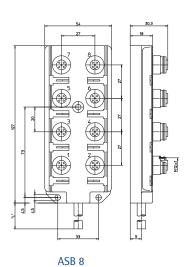


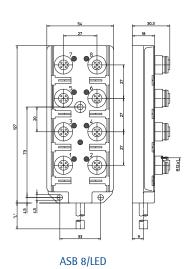
ASB 4

ASB 4/LED











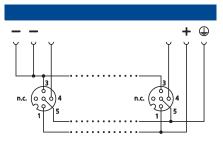


Wired M12 Rugged Distribution Boxes

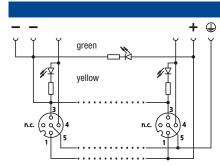
Technical Information

Product Description			
Туре	ASB-R	ASB-R LED	
	CSA UL W	CSA UL M	
Description	ASB-R wired actuator/sensor distributor, 4 and 8 ports, M12 socket, 4-poles, 1 signal per socket, earth connection, with integrated control cable, PUR jacket, halogen-free, black	ASB-R wired actuator/sensor distributor, 4 and 8 ports, M12 socket, 4-poles, with LED operating and function display, 1 signal per socket, earth connection, with integrated control cable, PUR jacket, halogenfree, black	
Technical Data			
Environmental Temperature	-40°C to +80°C (for drag-chain applications -25°C to +60°C), UL max. +60°C		
Housing Material	Made of die-cast zinc; potting compound: 2K PUR		
Contact Insert	M12: PA, potted; M23: PBT		
Contact	CuZn, pre-nickeled and gold-plated		
Mechanical Data			
Protection Class	IP65/IP67		
Electrical Data			
Volume Resistance	≤5 mΩ		
Rated Voltage	11 to 30 V DC		
Rated Current	4 A per outlet/12 A max. total		
Included in Delivery			
M12 Dust Covers	2 pieces		
Attachable Labels	4 ports: 5 pieces,	8 ports: 10 pieces	

Wiring Diagram ASB-R...



Wiring Diagram ASB-R... LED



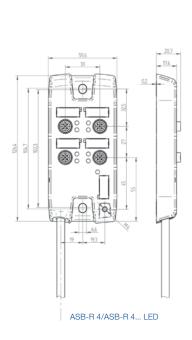
Pin Assignment

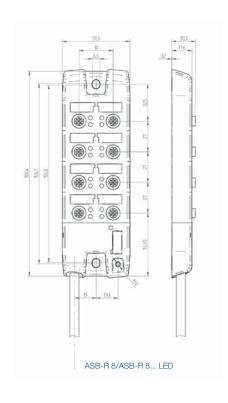
4 Ports		8 Ports		
3 4 0 0 0 0 0 0 0 0 1 5 1	1 = brown (+) 2 = n.c. 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4) 5 = green/yellow (PE)	3 4	1 = brown (+) 2 = n.c. 3 = blue (-)	4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8) 5 = green/yellow (PE)

Ordering Designation

Ordering Designation	Performance
ASB-R 4 5-4-328/ M	4 ports
ASB-R 8 5-4-331/ M	8 ports
ASB-R 4/LED 5-4-328/ M	4 ports
ASB-R 8/LED 5-4-331/ M	8 ports

Standard lengths: 5 and 10 meter. Other cable lengths or cable specifications on request.





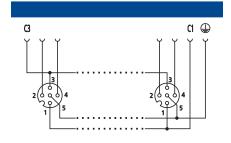


Wired M12 Rugged Distribution Boxes

Technical Information

Product Description				
Туре	ASBV	ASBV LED		
	UL 🍗 🧫 筐	UL 🍗 🖦 🚛		
Description	ASB-Classic wired actuator/sensor distribution box, 4, 6 and 8 ports, no LED, combined FIXCON®/M12 socket, 5-poles, 2 signals per socket, earth connection, with integrated control cable, PUR jacket, halogenfree, black	ASB-Classic wired actuator/sensor distribution box, 4, 6 and 8 ports with LED operation and function indicators, combined FIXCON®/M12 socket, 5-poles, 2 signals per socket, earth connection, with integrated control cable, PUR jacket, halogen-free, black		
Technical Data				
Environmental Temperature	-15°C to +80°C			
Housing Material	TPU			
Contact Insert	PA GF, self-extinguishing			
Contact	CuZn, pre-nickeled and gold-plated M8, M12			
Mechanical Data				
Protection Class	IP	67		
Electrical Data				
Volume Resistance	≤5mΩ			
Rated Voltage	60 V DC 10 to 30 V DC			
Rated Current	4 A per outlet/12 A max. total			
Included in Delivery				
M12 Dust Covers	2 pieces			
Attachable Labels	10 pieces			

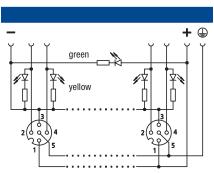
Wiring Diagram ASBV...



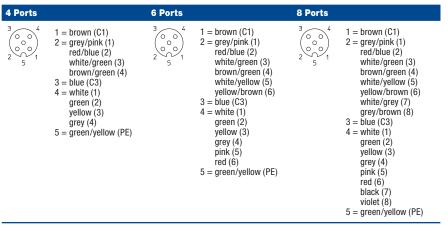
Pin Assignment ASBV...

4 Ports		6 Ports		8 Ports	
	1 = brown (C1) 2 = n.c. 3 = blue (C3) 4 = white (1) green (2) yellow (3) grey (4) 5 = green/yellow (PE)	3 0 0 4	1 = brown (C1) 2 = n.c. 3 = blue (C3) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red 6) 5 = green/yellow (PE)	3 0 0 4	1 = brown (C1) 2 = n.c. 3 = blue (C3) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8) 5 = green/yellow (PE)

Wiring Diagram ASBV... LED



Pin Assignment ASBV... LED

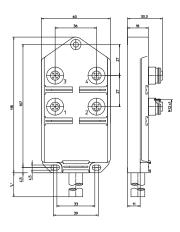


Ordering Designation

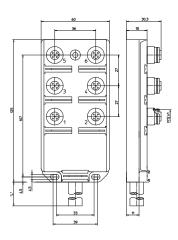
Ordering Designation	Performance
ASBV 4 5-256/ M	4 ports
ASBV 6 5-332/ M	6 ports
ASBV 8 5-242/ M	8 ports

Ordering Designation	Performance
ASBV 4/LED 5-256/ M	4 ports
ASBV 6/LED 5-332/ M	6 ports
ASBV 8/LED 5-242/ M	8 ports

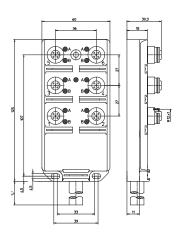
Standard lengths ASBV: 5 and 10 meter. \bullet Standard lengths ASBV...LED: 5, 10 and 15 meter. Other cable lengths or cable specifications on request.



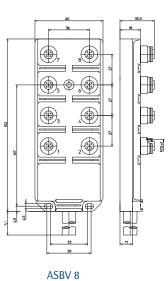
ASBV 4



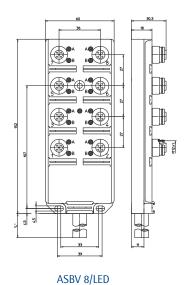
ASBV 4/LED



ASBV 6



ASBV 6/LED





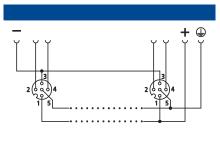


Wired M12 Rugged Distribution Boxes

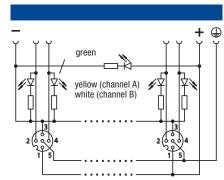
Technical Information

Product Description			
Туре	ASBV-R	ASBV-R LED	
	CSA UL W	CSA UL M	
Description	ASB-R wired actuator/sensor distributor, 4 and 8 ports, M12 socket, 5-poles, 2 signals per socket, earth connection, with integrated control cable, PUR jacket, halogen-free, black	ASB-R wired actuator/sensor distributor, 4 and 8 ports, M12 socket, 5-poles, with LED operating and function display, 2 signals per socket, earth connection, with integrated control cable, PUR jacket, halogenfree, black	
Technical Data			
Environmental Temperature	-40°C to +80°C (for drag-chain applications -25°C to +60°C), UL max. +60°C		
Housing Material	Made of die-cast zinc; potting compound: 2K PUR		
Contact Insert	M12: PA, potted; M23: PBT		
Contact	CuZn, pre-nickeled and gold-plated		
Mechanical Data			
Protection Class	IP65/IP67		
Electrical Data			
Volume Resistance	≤5 mΩ		
Rated Voltage	11 to 30 V DC		
Rated Current	4 A per outlet/12 A max. total		
Included in Delivery			
M12 Dust Covers	2 pieces		
Attachable Labels	4 ports: 5 pieces, 8 ports: 10 pieces		

Wiring Diagram ASBV-R...



Wiring Diagram ASBV-R... LED



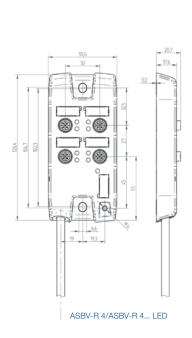
Pin Assignment

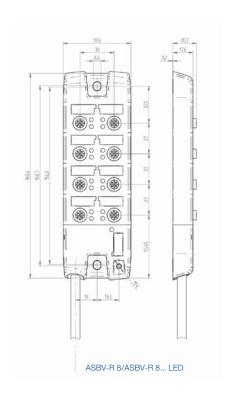
4 Ports 8 Ports 1 = brown (+) 2 = grey/pink (1) red/blue (2) white/green (3) brown/green (4) white/yellow (5) yellow/brown (6) white/grey (7) grey/brown (8) 1 = brown (+) 2 = grey/pink (1) red/blue (2) white/green (3) 4 = white (1) green (2) yellow (3) grey (4) pink (5) brown/green (4) red (6) black (7) 3 = blue (-) 4 = white (1) green (2) violet (8) grey/brown (8) 3 = blue (-) yellow (3) grey (4) 5 = green/yellow (PE) 5 = green/yellow (PE)

Ordering Designation

Ordering Designation	Performance
ASBV-R 4 5-256/ M	4 ports
ASBV-R 8 5-242/ M	8 ports
ASBV-R 4/LED 5-256/ M	4 ports
ASBV-R 8/LED 5-242/ M	8 ports

Standard lengths: 5 and 10 meter. Other cable lengths or cable specifications on request.







Wired M12 Rugged Distribution Boxes

Technical Information

Product Description				
Туре	RSWU 12-SB 8/LED 3-333/5M	RSWU 12-ASB 8/LED 5-4-331/5M	ASB 8/LED 5-4/1,5 M	
	UL W	UL M	UL Y	
Description	ASB-Classic wired miniature sensor distri- bution box, 8 ports, with LED operating and function display, M8 socket, 3-poles, 1 signal per socket, integrated control cable with M23 male right angle connector, 12-poles, PUR jacket, halogen-free, black	ASB-Classic wired actuator/sensor distribution box, 8 ports, with LED operating and function display, combined FIXCON®/M12 socket, 4-poles, 1 signal per socket, earth connection, integrated control cable, 5 m PUR jacket, halogen-free, black, earth connection, integrated control cable with M23 male right angle connector, 12-poles	ASB-Classic wired actuator/sensor distribution box with LED operation and function indicators and single wire connection on the rear, 8 ports, combined FIXCON®/M12 socket, 4-poles, 1 signal per socket, earth connection	
Technical Data				
Environmental Temperature		-15°C to +80°C		
Housing Material		TPU		
Contact Insert		PA GF, self-extinguishing		
Contact		CuZn, pre-nickeled and gold-plated M8, M12		
Mechanical Data				
Protection Class		IP67		
Electrical Data				
Volume Resistance		≤5 mΩ		
Rated Voltage	10 to 30 V DC	60 V DC	10 to 30 V DC	
Rated Current	4 A per outlet/8 A max. total	2 A per outlet/2 A max. total	4 A per outlet/12 A max. total	
Included in Delivery				
M12 Dust Covers		2 pieces		
Attachable Labels		10 pieces		

Pin Assignment RSWU

12-poles



1 = white 7 = white/green 2 = green 8 = brown/green 3 = yellow 9 = blue 4 = grey 10 = blue 5 = grey/pink 11 = brown 6 = red/blue 12 = yellow/green

Pin Assignment 12-SB 8/LED

8 Ports



1 = brown (+) 4 = white (1) 3 = blue (-) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8)

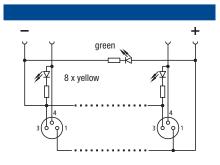
Pin Assignment 12-ASB 8/LED

8 Ports

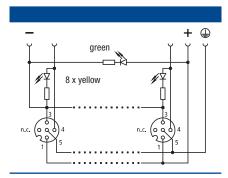


1 = brown (+) 4 = white (1) 2 = n.c. green (2) 3 = blue (-) yellow (3) grey (4) pink (5) red (6) black (7) violet (8) 5 = green/yellow (PE)

Wiring Diagram 12-SB 8/LED



Wiring Diagram 12-ASB 8/LED



10

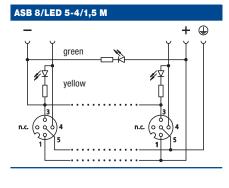
10

ASB 8/LED 5-4/1,5 M



1 = brown (+) 2 = n.c. 3 = blue (-) 4 = white (1) green (2) yellow (3) grey (4) pink (5) red (6) black (7) violet (8) 5 = green/yellow (PE)

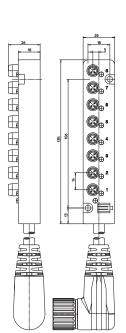
Wiring Diagram



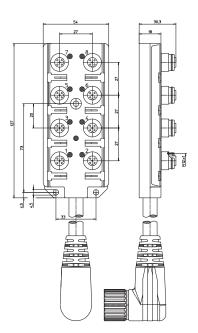
Ordering Designation

Performance
8 ports
8 ports
8 ports

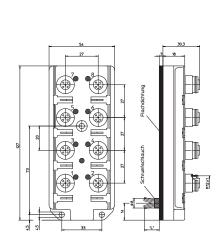
Other cable lengths or cable specifications on request.



RSWU 12-SB 8/LED 3-333



RSWU 12-ASB 8/LED 5-4-331



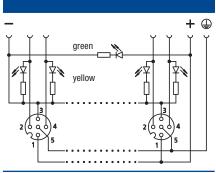
ASB 8/LED

Wired M12 Rugged Distribution Boxes - Stainless Steel

Technical Information

Product Description			
Туре	ASNBV 8/LED	ASNBL 8/LED	
	UL M	UL 🍗 🦲 😅	
Description	ASB-N wired actuator/sensor distribution box, stainless steel, 8 ports, with LED operation and function indicators, M12 socket, 5-poles, 2 signals per socket, integrated control cable	ASB-N wired actuator/sensor distribution box, stainless steel, 8 ports, with lateral ports, with LED operation and function indicators, M12 socket, 5-poles, 2 signals per socket, integrated control cable, PVC, black	
Note	Especially designed for food and beverage equipment.		
Technical Data			
Environmental Temperature	-25°C to +70°C		
Housing Material	Stainless steel		
Contact Insert	PVC		
Contact	CuZn, pre-nickeled and gold-plated		
Mechanical Data			
Protection Class	IP67/IP69K		
Electrical Data			
Volume Resistance	≤5mΩ		
Rated Voltage	10 to 30 V DC		
Rated Current	4 A per outlet/12 A max. total		
Included in Delivery			
M12 Dust Covers	4 pieces		

Wiring Diagram ASNBV 8/LED



Pin Assignment ASNBV 8/LED

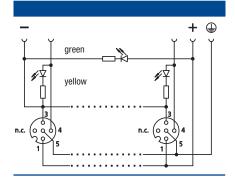
Pin Assignment ASNBL 8/LED

8 Ports



1 = brown (+) 2 = n.c. 3 = blue (-) 4 = white (1)
green (2)
yellow (3)
grey (4)
pink (5)
red (6)
black (7)
violet (8)
5 = green/yellow (PE)

Wiring Diagram ASNBL 8/LED



Ordering Designation

Ordering Designation	Performance
ASNBV 8/LED 5-278/ M	8 ports
ASNBL 8/LED 5-4-320/ M	8 ports

Standard lengths: 5, 10 and 15 meter. Other cable lengths or cable specifications on request.

