

SACB-4/ 8-L-PT P12 - Distributor box



1494172

<https://www.phoenixcontact.com/us/products/1494172>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Distributor box, application: Standard, connection method: M12 PUSH-PULL female connector / M12 socket, number of slots: 4, number of positions: 5, coding: A, slot assignment: Double, status display: yes, PNP; master cable connection: Push-in connection 180°, shielding: no

Marking labels are not included in the scope of delivery

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Fast, secure installation of connectors with the push-pull fast-locking system in accordance with IEC 61076-2-010
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

Item number	1494172
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF41
Product key	AF3CBC
GTIN	4063151942717
Weight per piece (including packing)	198.4 g
Weight per piece (excluding packing)	198 g
Customs tariff number	85366990
Country of origin	DE

SACB-4/ 8-L-PT P12 - Distributor box



1494172

<https://www.phoenixcontact.com/us/products/1494172>

Technical data

Notes

Assembly note	NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.
Note on application	Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".

Product properties

Product type	Distributor box
Application	Standard
Number of positions	5
Number of slots	4
Coding	A

Electrical properties

Max. operating voltage U_{max}	30 V DC
Nominal voltage U_N	24 V DC
Rated current, total	8 A
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A

Connection data

Conductor connection

Sensor/actuator connection system	M12 PUSH-PULL female connector
	M12 socket
Conductor cross-section Flexible signal line	0.2 mm ² ... 1 mm ²
Conductor cross-section Flexible power supply	0.2 mm ² ... 1 mm ²
Connection cross section AWG Flexible signal line	24 ... 16
Connection cross section AWG Flexible power supply	24 ... 16
Stripping length Signal line	8 mm
Stripping length Power supply	8 mm
Stripping length of the sheath	50 mm (Master cable)
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque of mounting screw for fixing the housing	0.5 Nm
Tightening torque, union nut	5 Nm

Connection assignment

Slot/position = Wire color or connection	1 / 4 (A) = WH
	1 / 2 (B) = GYPK
	2 / 4 (A) = GN
	2 / 2 (B) = RDBU

SACB-4/ 8-L-PT P12 - Distributor box



1494172

<https://www.phoenixcontact.com/us/products/1494172>

	3 / 4 (A) = YE
	3 / 2 (B) = WHGN
	4 / 4 (A) = GY
	4 / 2 (B) = BNGN
	1-4 / 1 (+ 24 V) = BN
	1-4 / 3 (0 V) = BU
	1-4 / 5 (PE) = GNYE

Signaling

Status display present	yes
------------------------	-----

Material specifications

Material Housing	PBT
Flammability rating according to UL 94	V0
Seal material	FKM
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA

Cable/line

External cable diameter	7 mm ... 12 mm
Connection method	Push-in connection

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 80 °C

Standards and regulations

Standard designation	M12-Push-Pull
Standards/specifications	IEC 61076-2-010

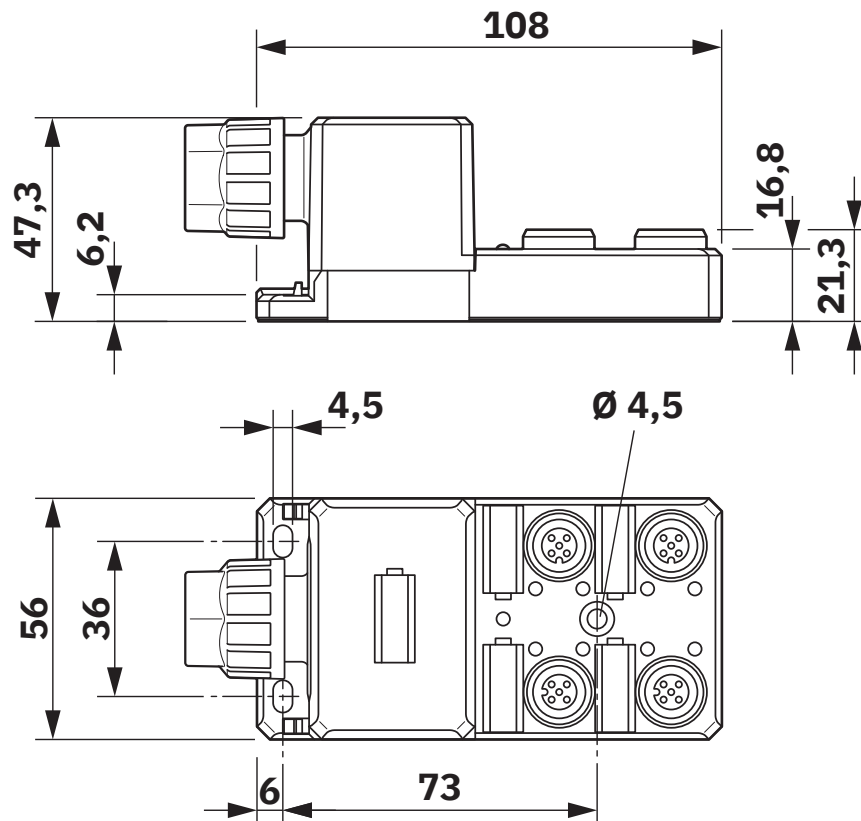
SACB-4/ 8-L-PT P12 - Distributor box

1494172

<https://www.phoenixcontact.com/us/products/1494172>

Drawings

Dimensional drawing

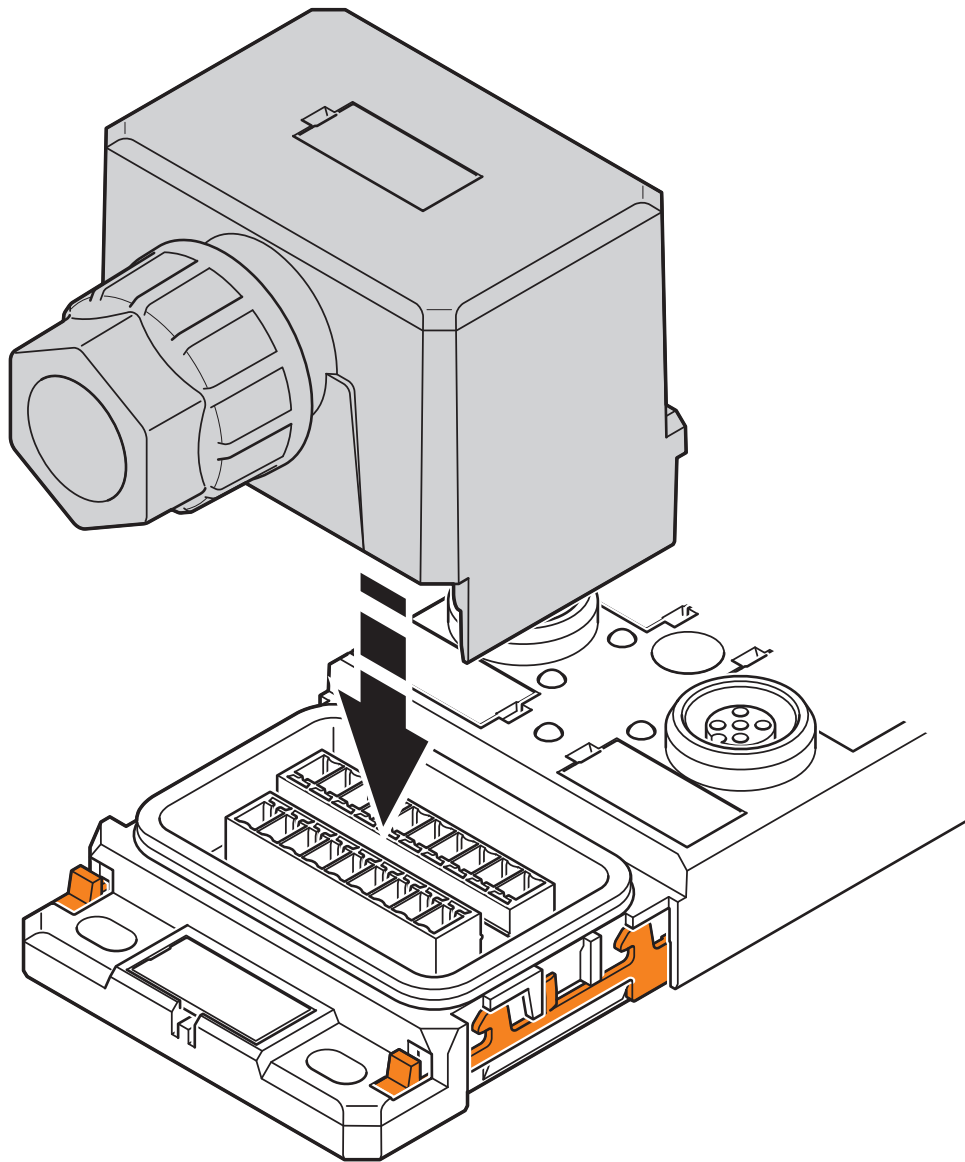


SACB-4/ 8-L-PT P12 - Distributor box

1494172

<https://www.phoenixcontact.com/us/products/1494172>

Schematic diagram



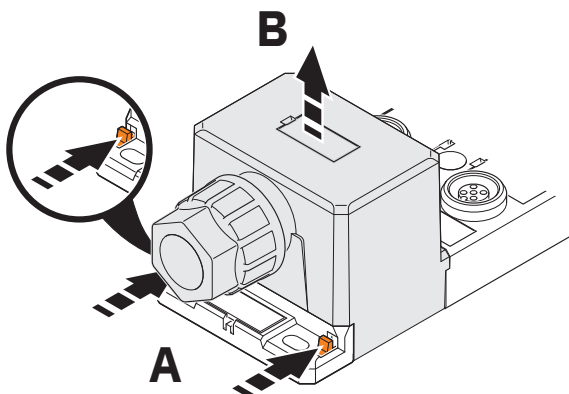
Schematic diagram of hood mounting

SACB-4/ 8-L-PT P12 - Distributor box

1494172

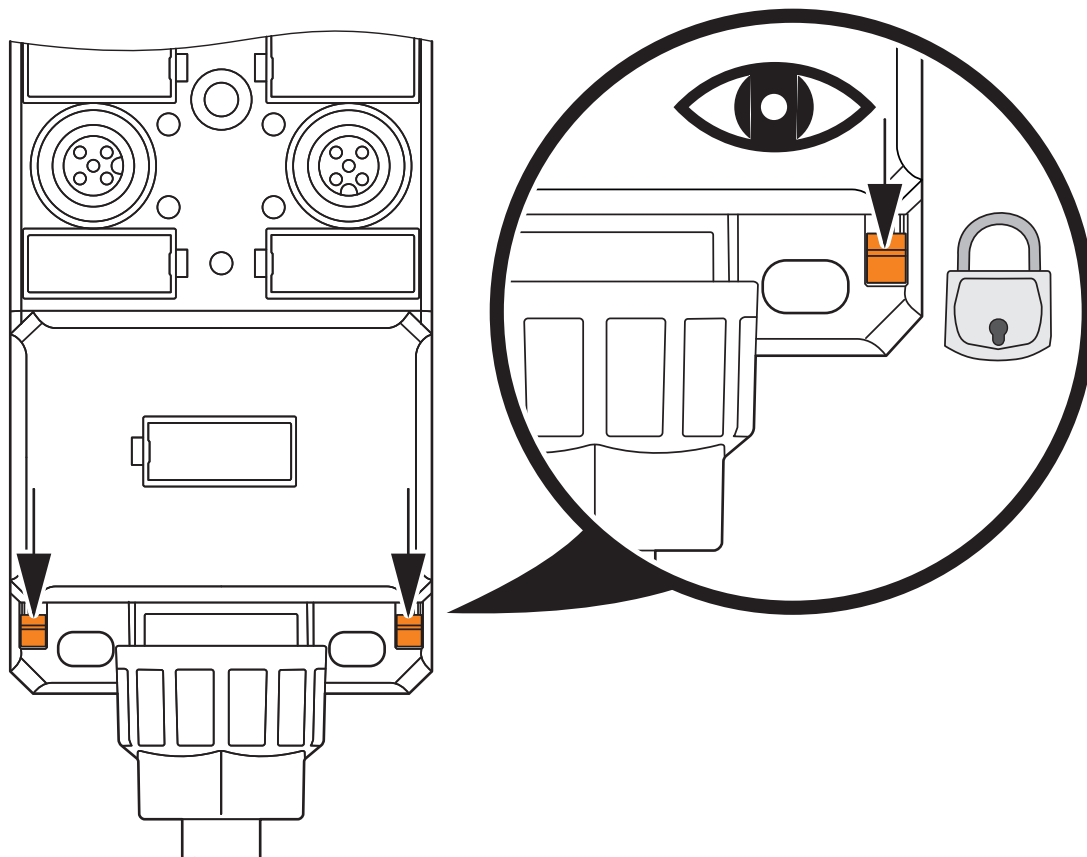
<https://www.phoenixcontact.com/us/products/1494172>

Schematic diagram



Schematic diagram of hood removal

Schematic diagram



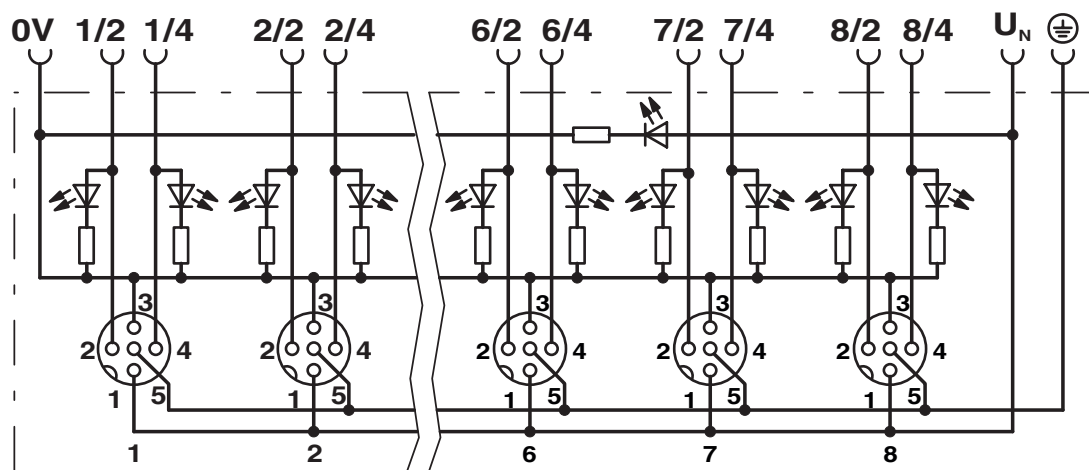
Schematic diagram of locking and release mechanism for hood

SACB-4/ 8-L-PT P12 - Distributor box

1494172

<https://www.phoenixcontact.com/us/products/1494172>

Circuit diagram



SACB-4/ 8-L-PT P12 - Distributor box



1494172

<https://www.phoenixcontact.com/us/products/1494172>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1494172>

 cULus Listed Approval ID: E221474	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	keine			
	24 V	8 A	-	-

SACB-4/ 8-L-PT P12 - Distributor box



1494172

<https://www.phoenixcontact.com/us/products/1494172>

Classifications

ECLASS

ECLASS-13.0	27440111
ECLASS-15.0	27440111

ETIM

ETIM 10.0	EC003558
-----------	----------

UNSPSC

UNSPSC 21.0	31251500
-------------	----------

SACB-4/ 8-L-PT P12 - Distributor box



1494172

<https://www.phoenixcontact.com/us/products/1494172>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com