

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

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: M8 socket Metal, number of slots: 10, number of positions: 3, coding: A, slot assignment: single, status display: Yes, PNP; master cable connection: Pluggable screw connection 180°, shielding: no

Your advantages

- Safety in the field, thanks to molded housing and high degree of protection
- Convenient: increased machine availability thanks to quick and easy diagnostics
- Flexible: distributor box with connector hood for on-site assembly

Commercial data

Item number	1197621
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF40
Product key	BF3BCD
GTIN	4063151257941
Weight per piece (including packing)	266.6 g
Weight per piece (excluding packing)	266.6 g
Customs tariff number	85444290
Country of origin	DE

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

Technical data

Notes

Note regarding documentation	For details about the PCB connectors used, refer to the technical data for MC 1,5/10-STF-3,5 (1847204)
Assembly note	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate 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	3
Number of slots	10
Coding	A
LED	yes

Data management status

Article revision	01
------------------	----

System properties

Local diagnostics

Monitored function	Supply voltage
Optical representation	Green LED

Electrical properties

Max. operating voltage $U_{\max}$	30 V DC
Local diagnostics	Supply voltage Green LED
	Status display I/O Yellow LED
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	2 A

Connection data

Conductor connection

Sensor/actuator connection system	M8 socket
Conductor cross section Flexible signal line	0.14 mm ² ... 1.5 mm ²
Conductor cross section Flexible power supply	0.14 mm ² ... 1.5 mm ²
Connection cross section AWG Flexible signal line	26 ... 16
Connection cross section AWG Flexible power supply	26 ... 16

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

Stripping length Signal line	7 mm
Stripping length of the sheath	70 mm (Master cable)
Tightening torque, cover screw	1 Nm
Tightening torque of mounting screw for fixing the housing	0.8 Nm

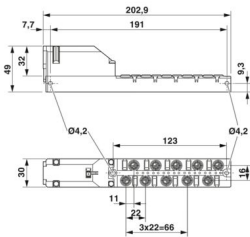
Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	2 / 4 (A) = 2 / 4
	3 / 4 (A) = 3 / 4
	4 / 4 (A) = 4 / 4
	5 / 4 (A) = 5 / 4
	6 / 4 (A) = 6 / 4
	7 / 4 (A) = 7 / 4
	8 / 4 (A) = 8 / 4
	9 / 4 (A) = 9 / 4
	10 / 4 (A) = 10 / 4
	1-10 / 1 (+24 V) = U _N
	1-10 / 3 (0 V) = 0 V

Signaling

Status display present	Yes
------------------------	-----

Dimensions

Dimensional drawing	
Width	30 mm
Height	49 mm
Length	203 mm
Wrench size, union nut	24 mm
Wrench size, counter nut	24 mm

Material specifications

Material Threaded sleeve	Cu alloy
Material Housing	PBT
Material Molding compound	PUR
Seal material O-ring	FKM
Seal material	FKM
Contact material	CuZn
Contact surface material	Ni/Au

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

Contact carrier material	PBT
Material of contact, master cable side	CU alloy
Material of the contact carrier on the master cable side	PA
Material of contact surface, master cable side	tin-plated

Cable/line

Connection method	Pluggable screw connection
-------------------	----------------------------

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

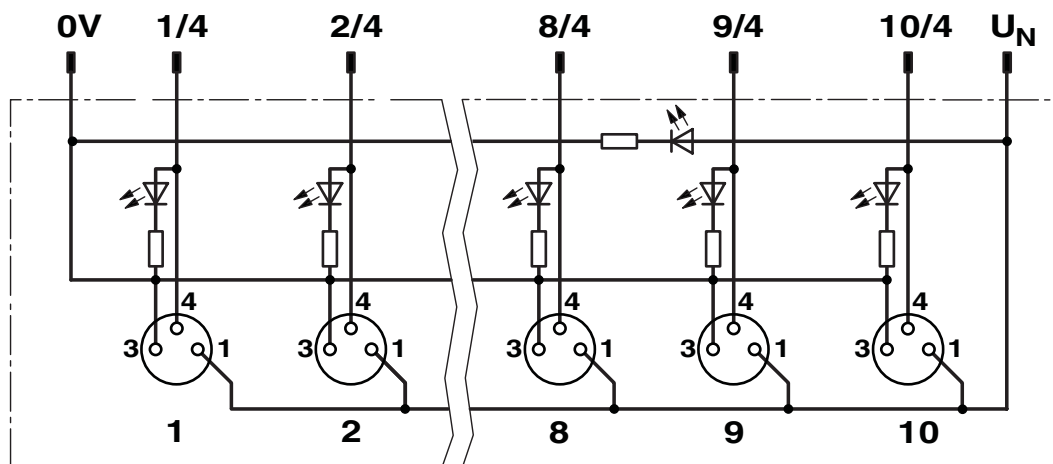
SACB-10/3-L-C-M8 HD - Distributor box

1197621

<https://www.phoenixcontact.com/us/products/1197621>

Drawings

Circuit diagram

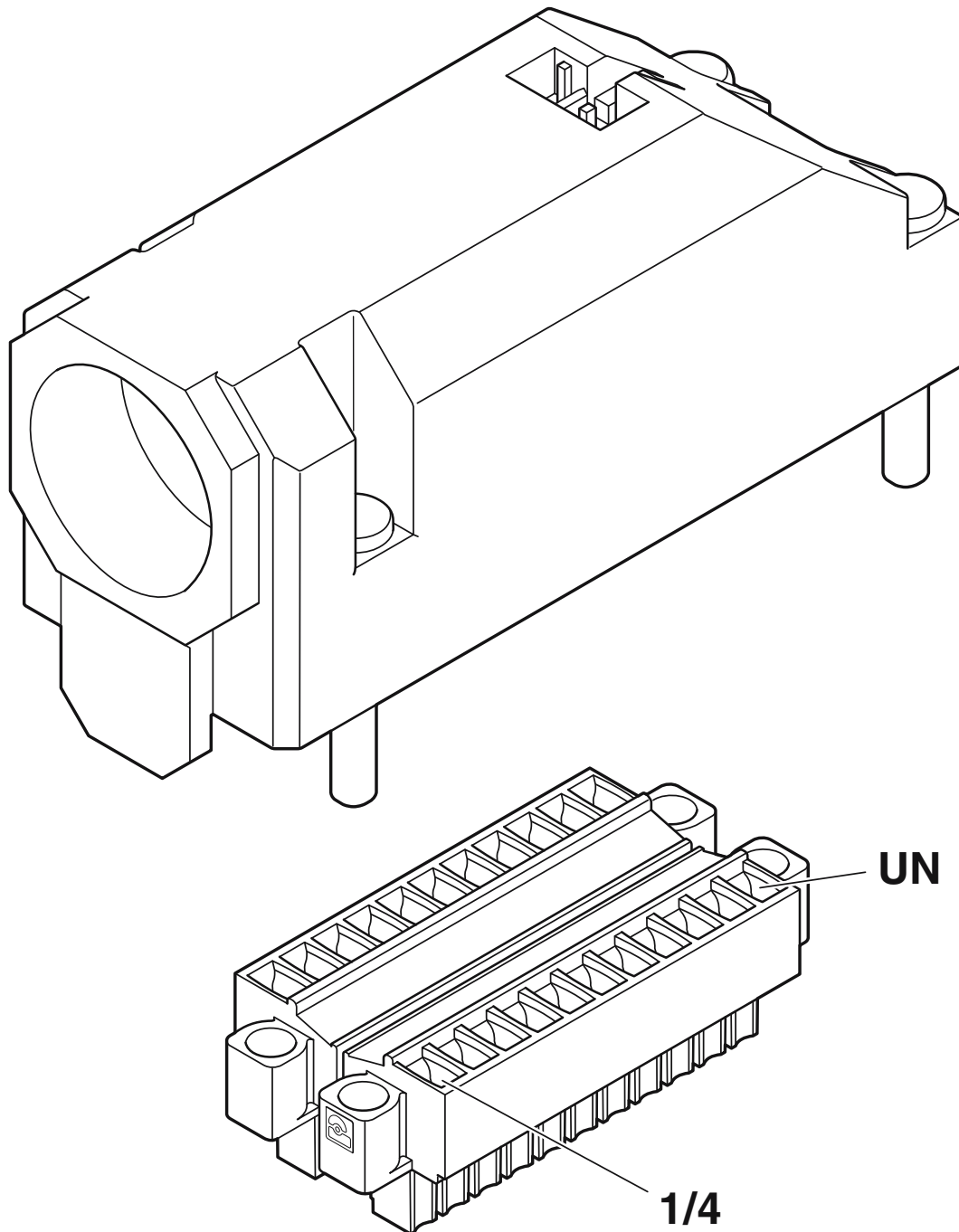


SACB-10/3-L-C-M8 HD - Distributor box

1197621

<https://www.phoenixcontact.com/us/products/1197621>

Schematic diagram



PCB connector positioning - the UN connection is on the end of the connector hood opposite the cable gland

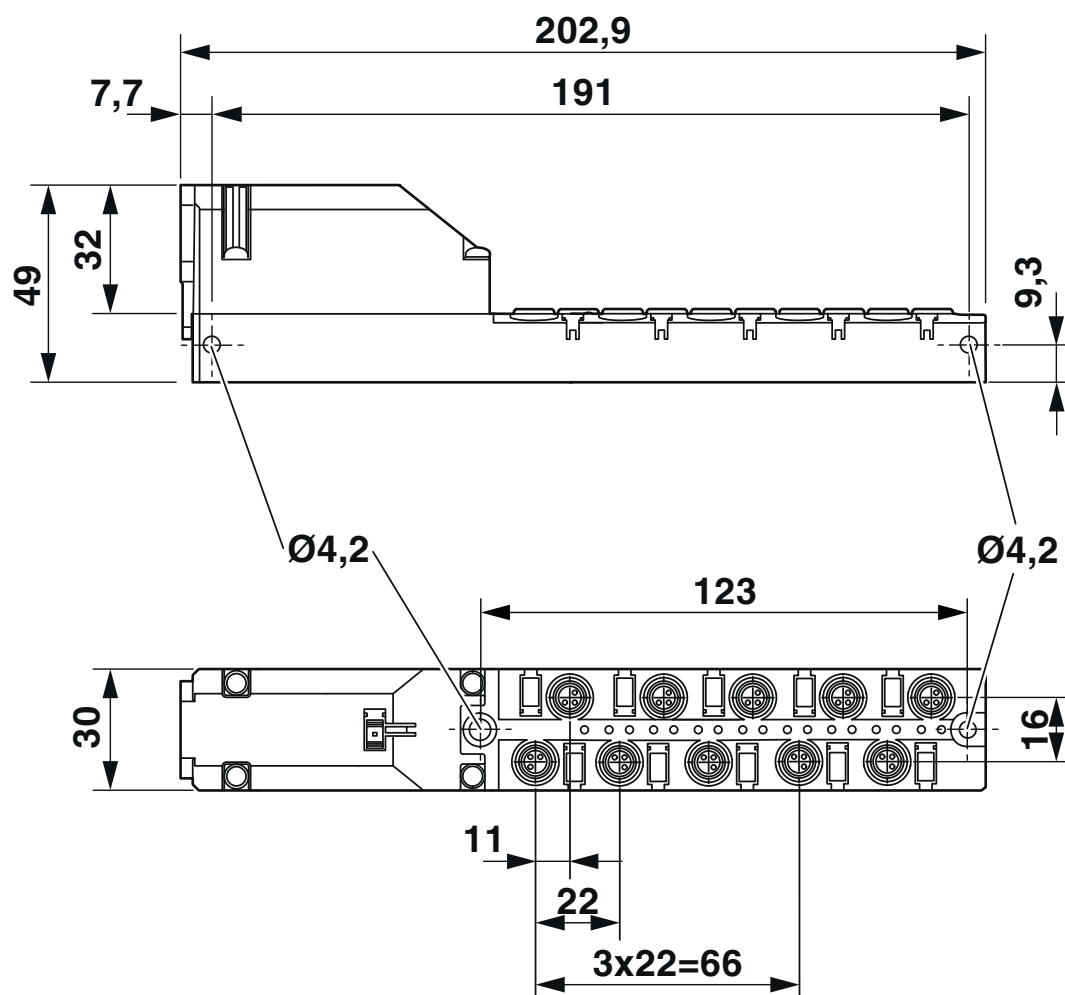
SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

Dimensional drawing



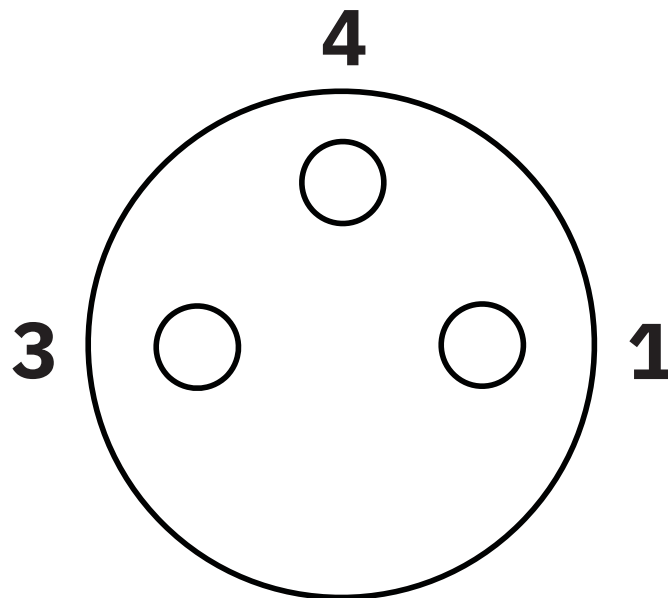
SACB-10/3-L-C-M8 HD - Distributor box

1197621

<https://www.phoenixcontact.com/us/products/1197621>



Schematic diagram



M8 slot, socket, 3-pos.

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

Classifications

ECLASS

ECLASS-11.0	27440111
ECLASS-12.0	27440111
ECLASS-13.0	27440111

ETIM

ETIM 9.0	EC003558
----------	----------

UNSPSC

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

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

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
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

Accessories

SACB-10X0,34/2X0,75-50 PUR - Master cable ring

1517602

<https://www.phoenixcontact.com/us/products/1517602>



Master cable for sensor/actuator boxes, without PE conductor, unshielded, material PUR/PVC, 12-pos., 10 x 0.34 mm² and 2 x 0.75 mm², length: 50 m

UCT-TM 6 - Marker for terminal blocks

0828736

<https://www.phoenixcontact.com/us/products/0828736>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

PROT-M8 - Screw plug

1682540

<https://www.phoenixcontact.com/us/products/1682540>



An M8 screw plug for the unoccupied M8 sockets of the sensor/actuator cable, boxes and flush-type connectors

TSD 25 SAC - Torque screwdriver

1212315

<https://www.phoenixcontact.com/us/products/1212315>



Torque screwdriver, with preset torque of 2.5 Nm and 4 mm hexagonal drive for the pressure nut of the connector hood

SACB-10/3-L-C-M8 HD - Distributor box

1197621

<https://www.phoenixcontact.com/us/products/1197621>



SAC BIT HOOD-W 24 - Tool

1212486

<https://www.phoenixcontact.com/us/products/1212486>

Nut for assembling pressure nuts with 24 mm wrench size, for 4 mm hexagonal drive



SZK PZ2 VDE - Screwdriver

1206463

<https://www.phoenixcontact.com/us/products/1206463>

Screwdriver, PZ crosshead, VDE insulated, size: PZ 2 x 100 mm, 2-component grip, with non-slip grip



SACB-10/3-L-C-M8 HD - Distributor box

1197621

<https://www.phoenixcontact.com/us/products/1197621>



TSD 02 SAC - Torque screwdriver

1208487

<https://www.phoenixcontact.com/us/products/1208487>



Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

SAC BIT M8-D10 - Tool

1208461

<https://www.phoenixcontact.com/us/products/1208461>



Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 10 mm, for 4 mm hexagonal drive

SACB-10/3-L-C-M8 HD - Distributor box

1197621

<https://www.phoenixcontact.com/us/products/1197621>



SACC BIT M8-D12 - Tool

1208474

<https://www.phoenixcontact.com/us/products/1208474>



Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 12 mm, for 4 mm hexagonal drive

SZS 0,4X2,5 VDE - Screwdriver

1205037

<https://www.phoenixcontact.com/us/products/1205037>



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

SACB-10/3-L-C-M8 HD - Distributor box



1197621

<https://www.phoenixcontact.com/us/products/1197621>

SF-BIT-SL 0,45X2,4-70 - Screw insert

1212607

<https://www.phoenixcontact.com/us/products/1212607>



Screw bit, slotted, E6.3-1/4" drive, size: 0.45 x 2.4 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

SF-M BH - Screwdriver

1212070

<https://www.phoenixcontact.com/us/products/1212070>



Bit screwdriver, with 1/4" quick-action chuck, handle length 119 mm, 2-component handle, with non-slip grip, suitable for bits according to DIN 3126-C 6.3 and E 6.3/ISO 1173, magnetic

Phoenix Contact 2024 © - 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