

SACB-8/16-L-SC

Order No.: 1680584

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1680584>

Sensor/actuator box, M12 female connector, 8 Slots, 5-position, pnp, Status indication: Yes; Master cable: Spring-cage conn., Shielded: No

Commercial data

EAN	4017918169763
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.1494 KG
Catalog page information	Page 115 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
06/18/2007



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Product description

SACB-M12 sensor/actuator box, with 8 double occupied slots in 5-pos. version, with LEDs and master cable connection via spring-cage terminal blocks

Technical data

General data

Nominal voltage U_N	24 V DC
-----------------------	---------

Max. operating voltage U _{max}	30 V DC
Max. current carrying capacity per path	2 A
Current carrying capacity per slot	4 A
SACB total current	12 A
Number of positions	5
Number of slots	8
Degree of protection	IP65/IP67
Inflammability class acc. to UL 94	V0
Ambient temperature (operation)	-25 °C ... 75 °C
Sensor/actuator connection system	M12 female connector

Local diagnostics function

Local diagnostics	Supply voltage per module LED green
	Status display I/O Yellow LED

Master cable data

Type of connection	Spring-cage conn.
Conductor cross-section min. (signal)	0.14 mm ²
Conductor cross-section max. (signal)	1 mm ²
Conductor cross-section AWG min. (signal)	26
Conductor cross-section AWG max. (signal)	17
Conductor cross-section min. (energy)	0.2 mm ²
Conductor cross-section max. (energy)	1.5 mm ²
Conductor cross-section AWG min. (energy)	24
Conductor cross-section AWG max. (energy)	16
External cable diameter min.	6.5 mm
External cable diameter max.	9.5 mm
Stripping length	10 mm
Tightening torque slot sensor/actuator cable	0.4 Nm
Tightening torque screw plug	0.4 Nm

Insulation material

Housing material	PA
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of contact, master cable side	CuZn

Material of contact surface, master cable side	NiSn
Material of the contact carrier on the master cable side	PA 66 V0
Material, O-ring	NBR
Pin assignment	
Slot/position = Wire color or connection	1 / 4 (A) = 1 / 4
	1 / 2 (B) = 1 / 2
	2 / 4 (A) = 2 / 4
	2 / 2 (B) = 2 / 2
	3 / 4 (A) = 3 / 4
	3 / 2 (B) = 3 / 2
	4 / 4 (A) = 4 / 4
	4 / 2 (B) = 4 / 2
	5 / 4 (A) = 5 / 4
	5 / 2 (B) = 5 / 2
	6 / 4 (A) = 6 / 4
	6 / 2 (B) = 6 / 2
	7 / 4 (A) = 7 / 4
	7 / 2 (B) = 7 / 2
	8 / 4 (A) = 8 / 4
	8 / 2 (B) = 8 / 2
	1-8 / 1 (+ 24 V) = U _N
	1-8 / 3 (0 V) = 0 V
	1-8 / 5 (PE) = PE

Certificates / Approvals



Certification

CUL, GOST, UL

CUL

Nominal voltage U _N	24 V
AWG/kcmil	22-16

UL

Nominal voltage U _N	24 V
AWG/kcmil	22-16

Accessories

Item	Designation	Description
------	-------------	-------------

General

1559893	SACB-16X0,5/ 3X1,0-200,0 PUR	Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm ² and 3 x 1.00 mm ² , length: 200 m on drum
1503373	SACB-16X0,5/ 3X1,0-50,0 PUR	Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm ² and 3 x 1.00 mm ² , length: 50 m
1430938	SACB-16X0,5/ 3X1,0-50,0 VPUR	Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PP, 19-pos., 16 x 0.50 mm ² and 3 x 1.00 mm ² , length: 50 m

Grommet

1680377	SACB-D PG 13,5 (4,0-6,5) YE	Rubber seal for Pg screw connection 13.5, for conductor diameter 4.0 mm ... 6.5 mm
1680380	SACB-D PG 13,5 (6,5-9,5) BK	Rubber seal for Pg screw connection 13.5, for conductor diameter 6.5 mm ... 9.5 mm
1680393	SACB-D PG 13,5 (9,0-13,0) RD	Rubber seal for Pg screw connection 13.5, for conductor diameter 9.0 mm ... 13.0 mm

Marking

2809128	ZBN 18:UNBEDRUCKT	Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White
---------	-------------------	---

Protection and sealing elements

1680539	PROT-M12	An M12 screw plug for the unoccupied M12 sockets of the sensor/ actuator cable, boxes and flush-type connectors
---------	----------	---

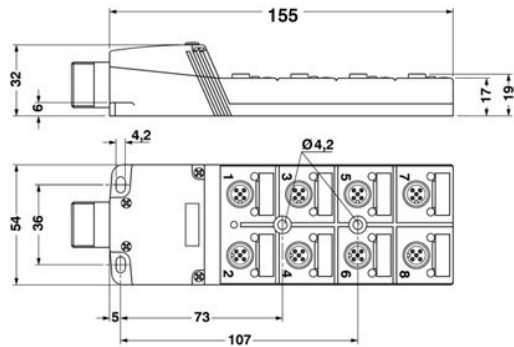
Tools

1208432	SAC BIT M12-D15	Nut for mounting sensor/actuator cables with M12 connectors and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal screwdriver
1208445	SACC BIT M12-D20	Nut for mounting freely assembled SACC M12 connectors, with the exception of QUICKON fast connection technology, for 4 mm hexagonal screwdriver
1206450	SZK PZ1	Screwdriver, suitable for Phillips screws Pozidriv/Supadriv, size: 1

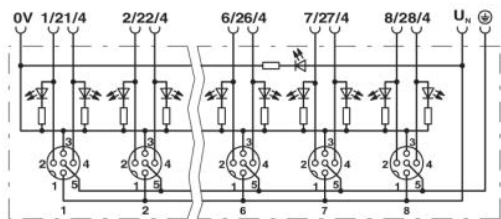
1208429	TSD 04 SAC	Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive
---------	------------	---

Diagrams/Drawings

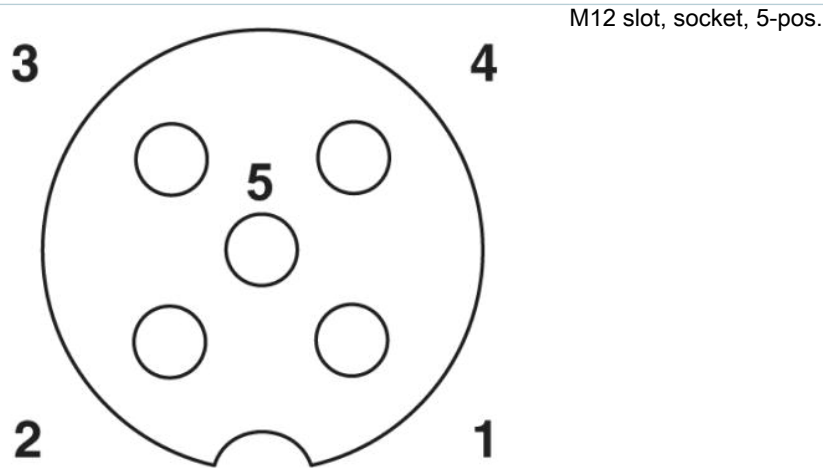
Dimensioned drawing



Circuit diagram



Schematic diagram



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



© 2010 Phoenix Contact
Technical modifications reserved;



ООО «НИОКРсистемс» - это оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов. Реализуемая нашей компанией продукция насчитывает более полумиллиона наименований.

Благодаря этому наша компания предлагает к поставке практически не ограниченный ассортимент компонентов как оптовыми, мелкооптовыми партиями, так и в розницу.

Благодаря развитой сети поставщиков, помогаем в поиске и приобретении экзотичных или снятых с производства компонентов.

Наша компания это:

- Гарантия качества поставляемой продукции
- Широкий ассортимент
- Минимальные сроки поставок
- Техническая поддержка
- Подбор комплектации
- Индивидуальный подход
- Гибкое ценообразование
- Работаем по 275 ФЗ