

SACB-8/ 8-L-SC

Order No.: 1671247

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1671247>

Sensor/actuator box, with LED, with spring-cage terminal blocks and single-occupied slots

Commercial data

EAN	4017918135096
Pack	1 pcs.
Customs tariff	85366990
Weight/Piece	0.138 KG
Catalog page information	Page 115 (PC-2009)

Product notes

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



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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

Operating current of the indicator elements	≤ 5 mA
Number of positions	4
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
	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
	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

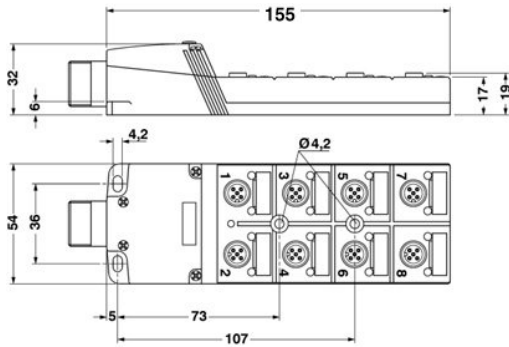
Nominal voltage U _N	24 V
AWG/kcmil	22-16

UL

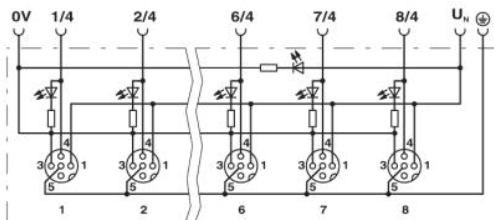
Nominal voltage U _N	24 V
AWG/kcmil	22-16

Drawings

Dimensioned drawing

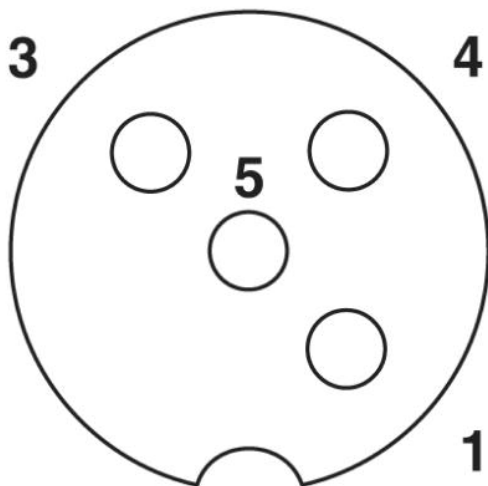


Circuit diagram



Schematic diagram

M12 slot, socket, 4-pos.



Address

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 00
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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