

## Sensor/actuator box - SACB- 8/3-L-M16-M8 - 1516205

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Sensor/actuator box, Application: Standard, Connection method: M8 socket Metal, Number of slots: 8, Number of positions: 3, Slot assignment: Single, Status indication: Yes, pnp; Master cable connection: M16 plug connection 90°, Shielding: No

### Product Features

- ✓ Safety in the field, thanks to molded housing and high degree of protection
- ✓ Flexible, distributed bundling of signals in one master cable
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	140.4 GRM
Custom tariff number	85444290
Country of origin	Poland

### Technical data

#### General

Rated voltage	24 V DC
Max. operating voltage $U_{max}$	30 V DC
Current carrying capacity per I/O signal	2 A
Current carrying capacity per slot	2 A
Total rated current	6 A
Number of positions	3
Number of slots	8
Inflammability class according to UL 94	V0
Sensor/actuator connection system	M8 socket

#### Ambient conditions

Degree of protection	IP65
----------------------	------

## Sensor/actuator box - SACB- 8/3-L-M16-M8 - 1516205

### Technical data

#### Ambient conditions

	IP67
Ambient temperature (operation)	-30 °C ... 80 °C

#### Local diagnostics function

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

#### Master cable data/connection data

Connection method	M16 plug connection
Tightening torque - master cable - plug connection	1.5 Nm
Tightening torque slot sensor/actuator cable	0.2 Nm

#### Insulation material

Housing material	PBT
Material of the moulding mass	PUR
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of contact, master cable side	CU alloy
Material of threaded sleeve	Cu alloy
Material of threaded sleeve surface	Nickel-plated
O-ring material	NBR

#### Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = P
	2 / 4 (A) = J
	3 / 4 (A) = T
	4 / 4 (A) = S
	5 / 4 (A) = G
	6 / 4 (A) = R
	7 / 4 (A) = E
	8 / 4 (A) = O
	1-8 / 1 (+ 24 V) = A+M
	1-8 / 3 (0 V) = L+U

### Classifications

eCl@ss

eCl@ss 4.0	27140815
------------	----------

# Sensor/actuator box - SACB- 8/3-L-M16-M8 - 1516205

## Classifications

### eCl@ss

eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27279219

### ETIM

ETIM 2.0	EC000200
ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

## Approvals

### Approvals

---

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

---

#### Ex Approvals

---

#### Approvals submitted

---

#### Approval details

# Sensor/actuator box - SACB- 8/3-L-M16-M8 - 1516205

## Approvals

UL Recognized	
Nominal voltage UN	24 V

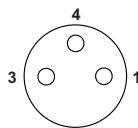
cUL Recognized	
Nominal voltage UN	24 V

EAC
-----

cULus Recognized
------------------

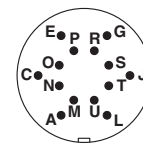
## Drawings

Schematic diagram



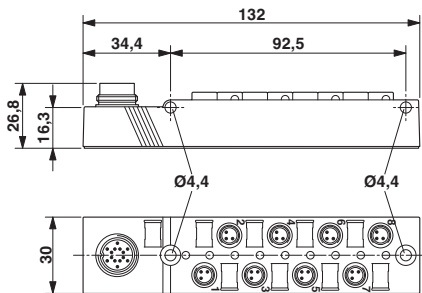
M8 slot, socket, 3-pos.

Schematic diagram



M16 plug connection pin, 14-pos.

Dimensioned drawing



Circuit diagram

