

## Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

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://download.phoenixcontact.com>)



Sensor/actuator box, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 4, Number of positions: 5, Slot assignment: Double, Status indication: No, Universal; Master cable connection: Spring-cage conn. 180°, Shielding: No

Figure shows version with diagnostic and status indicator

### Product Features

- ✓ Safety in the field, thanks to molded housing and high degree of protection
- ✓ Flexible, distributed bundling of signals in one master cable
- ✓ Save space: distributor box with double occupancy for two sensors in one slot
- ✓ Save time, thanks to installation with SPEEDCON fast locking system
- ✓ Flexible: distributor box with connector hood for on-site assembly



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 PCE     |
| Weight per Piece (excluding packing) | 160.0 GRM |
| Custom tariff number                 | 85444290  |
| Country of origin                    | Poland    |

### Technical data

#### General

|                                          |                     |
|------------------------------------------|---------------------|
| Rated voltage                            | 120 V               |
| Current carrying capacity per I/O signal | 2 A                 |
| Current carrying capacity per slot       | 4 A                 |
| Total rated current                      | 12 A                |
| Number of positions                      | 5                   |
| Number of slots                          | 4                   |
| Inflammability class according to UL 94  | V0                  |
| Sensor/actuator connection system        | M12-SPEEDCON-socket |

# Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

## Technical data

### Ambient conditions

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

### Master cable data/connection data

|                                              |                      |
|----------------------------------------------|----------------------|
| Connection method                            | Spring-cage conn.    |
| Conductor cross section min. (signal)        | 0.2 mm <sup>2</sup>  |
| Conductor cross section max. (signal)        | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min. (signal)    | 24                   |
| Conductor cross section AWG max. (signal)    | 20                   |
| Stripping length (signal)                    | 6 mm                 |
| Conductor cross section min. (energy)        | 0.2 mm <sup>2</sup>  |
| Conductor cross section max. (energy)        | 1.5 mm <sup>2</sup>  |
| Conductor cross section AWG min. (energy)    | 24                   |
| Conductor cross section AWG max. (energy)    | 16                   |
| Stripping length (power)                     | 10 mm                |
| External cable diameter min.                 | 7 mm                 |
| External cable diameter max.                 | 12 mm                |
| Stripping length                             | 50 mm (Master cable) |
| Tightening torque, cover screw               | 1 Nm                 |
| Tightening torque, union nut                 | 2.5 Nm               |
| Tightening torque slot sensor/actuator cable | 0.4 Nm               |

### Insulation material

|                               |                      |
|-------------------------------|----------------------|
| Housing material              | PBT                  |
| Material of the moulding mass | PUR                  |
| Contact material              | Cu alloy             |
| Contact surface material      | Gold-plated          |
| Contact carrier material      | PA                   |
| Material of threaded sleeve   | PBT                  |
| Material, O-ring              | NBR                  |
| Sealing material              | NBR (Connector hood) |

### Pin assignment

|                                          |                   |
|------------------------------------------|-------------------|
| Slot/position = Wire color or connection | 1 / 4 (A) = WH    |
|                                          | 1 / 2 (B) = GY/PK |
|                                          | 2 / 4 (A) = GN    |
|                                          | 2 / 2 (B) = RD/BU |
|                                          | 3 / 4 (A) = YE    |

## Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

### Technical data

#### Pin assignment

|  |                        |
|--|------------------------|
|  | 3 / 2 (B) = WH/GN      |
|  | 4 / 4 (A) = GY         |
|  | 4 / 2 (B) = BN/GN      |
|  | 1-4 / 1 (+ 120 V) = BN |
|  | 1-4 / 3 (0 V) = BU     |
|  | 1-4 / 5 (PE) = GN/YE   |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140815 |
| 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 | 27449001 |

#### ETIM

|          |          |
|----------|----------|
| 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 / GOST / cULus Recognized

---

#### Ex Approvals

## Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

### Approvals

Approvals submitted

### Approval details

|                                                                                                 |       |
|-------------------------------------------------------------------------------------------------|-------|
| UL Recognized  |       |
| Nominal voltage UN                                                                              | 120 V |

|                                                                                                  |       |
|--------------------------------------------------------------------------------------------------|-------|
| cUL Recognized  |       |
| Nominal voltage UN                                                                               | 120 V |

|                                                                                          |  |
|------------------------------------------------------------------------------------------|--|
| GOST  |  |
|------------------------------------------------------------------------------------------|--|

|                                                                                                      |  |
|------------------------------------------------------------------------------------------------------|--|
| cULus Recognized  |  |
|------------------------------------------------------------------------------------------------------|--|

### Accessories

#### Accessories

#### Cable by the meter

Master cable ring - SACB- 8X0,5/ 3X1,0-50,0 PUR - 1503357



Master cable for sensor/actuator boxes, with PE conductor, unshielded, material PUR/PVC, 11-pos., 8 x 0.50 mm<sup>2</sup> and 3 x 1.00 mm<sup>2</sup>, length: 50 m

## Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

### Accessories

Master cable ring - SACB-8X0,5/3X1,0-50,0 HPUR - 1401690



Master cable ring, For use in Distributor boxes, Number of positions: 11, Cable length: 50 m

---

### Connector

Ferrule - A 0,5 - 6 - 3200218



Ferrule, Length: 6 mm, Color: silver

---

Ferrule - A 0,75-10 - 3200234



Ferrule, Length: 10 mm, Color: silver

---

Ferrule - A 1 -10 - 3200250



Ferrule, Length: 10 mm, Color: silver

---

### Device marking

Contactor marker – zack marker strip - SS-ZB 17,5 WH - 0804963



Contactor marker – zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

## Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

### Accessories

---

Contactor marker – zack marker strip - SS-ZB 17,5 YE - 0804976



Contactor marker – zack marker strip, Strip, yellow, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

---

### Labeled device marker

Contactor marker – zack marker strip - SS-ZB 17,5 WH CUS - 0824468



Contactor marker – zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

---

Contactor marker – zack marker strip - SS-ZB 17,5 YE CUS - 0824469



Contactor marker – zack marker strip, Can be ordered: Strip, yellow, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, Lettering field: 17.5 x 8 mm

---

### Protective cap

Screw plug - PROT-MS SCO - 1553129



M12 screw plug with SPEEDCON quick locking for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors

---

### Screwdriver tools

## Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

### Accessories

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

Philips screwdriver - SZK PZ2 VDE - 1206463



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

Tool - SAC BIT HOOD-W 24 - 1212486



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

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Torque tool

## Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

### Accessories

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

---

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

---

Torque screwdriver - TSD 25 SAC - 1212315



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

---

Torque screwdriver - TSD-M 3NM - 1212225



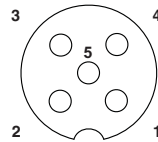
Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 1.2 - 3 Nm

---

### Drawings

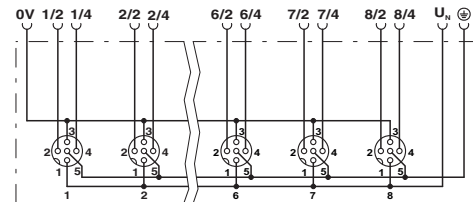
## Sensor/actuator box - SACB-4/ 8-SC SCO P - 1452932

Schematic diagram

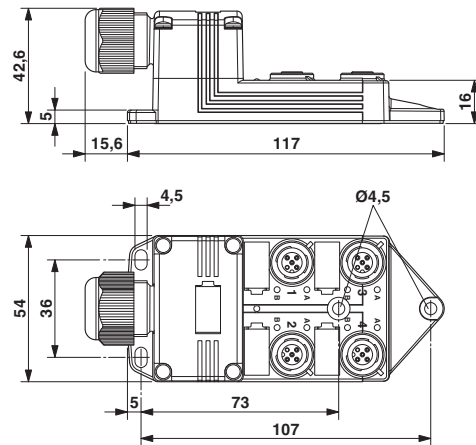


M12 slot, socket, 5-pos.

Circuit diagram



Dimensioned drawing





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.