INDUSTRIAL COMPONENT DATA

# SACB-6/12-L-PT SCO P 1412059 PHOENIX CONTACT Sensor/actuator box, Connection method: M12-SPEEDCON-socket Pla..

**Brand: PHOENIX CONTACT | Manufacturer Part Number: SACB-6/12-L-PT SCO P**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | SACB-6/12-L-PT SCO P |
| Catalog number | 1412059 |
| Category | Passive sensor-actuator interface (without cable) |
| Minimum order | 1 Pcs |
| Document ID | EO-3FB5004930 |
| Generated | 2026-11-18 |

## Product Overview

Sensor/actuator box, Connection method: M12-SPEEDCON-socket Plastic, Number of slots: 6, Number of positions: 5, Coding: A - standard, Slot assignment: Double, Status indication: Yes, pnp; Master cable connection: Push-in-/Spring-cage connection 180°, Shielding: No
Sensor/actuator box, application: Standard, connection type: SPEEDCON M12 female connector Plastic, number of plug-in stations: 6, number of poles: 5, coding: A - standard, occupancy of plug-in stations: Double, status indication: Yes, pnp; Main cable connection: 180° push-in/spring connection, shielding: no

STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

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| Catalog path | PHOENIX CONTACT > QUICKON Installation System (QPD) |

## Additional Product Information

General
Rated voltage 24 V DC
Max. operating voltage Umax 30 V DC
Current carrying capacity per I/O signal 2 A
Current carrying capacity per slot 4 A
Total rated current 8 A (Higher ratings can be achieved with different configurations)
Number of positions 5
Number of slots 6

Flammability rating according to UL 94 V0
Sensor/actuator connection system M12-SPEEDCON-socket
Ambient conditions
Degree of protection IP65
IP67
Ambient temperature (operation) -25 °C ... 80 °C
Local diagnostics function
Local diagnostics Supply voltage Green LED
Status display I/O Yellow LED
Master cable connection data
Connection method Push-in-/Spring-cage connection
Conductor cross section min. (signal) 0.2 mm²
Conductor cross section max. (signal) 1 mm²
Conductor cross section AWG min. (signal) 24
Conductor cross section AWG max. (signal) 16
Conductor cross section min. (energy) 0.2 mm²
Conductor cross section max. (energy) 1 mm²
Conductor cross section AWG min. (energy) 24
Conductor cross section AWG max. (energy) 16
External cable diameter min. 7 mm
External cable diameter max. 12 mm
Stripping length 8 mm
Tightening torque, cover screw 1 Nm
Tightening torque, union nut 2.5 Nm
Tightening torque slot sensor/actuator cable 0.4 Nm
Tightening torque of mounting screw for fixing the housing 0.5 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 the contact carrier on the ma...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SACB-6/12-L-PT SCO P with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

**GLOBAL OFFICES**

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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