PHŒNIX CONTACT

Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

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Sensor/actuator box, application: Standard, connection method: M12-SPEEDCON-socket Metal, number of slots: 8, number of positions: 4, coding: A - standard, slot assignment: single, status display: yes, pnp; master cable connection: Rear FLK pin strip and MINI COMBICON 270°, shielding: no

Why buy this product

☑ 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

☑ Save time, thanks to installation with SPEEDCON fast locking system

☑ Easy PLC system cabling, thanks to master connection on the back

RoHS   **SPEEDCON** LOCKING

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 135528
GTIN	4046356135528
Weight per Piece (excluding packing)	370.000 g
Custom tariff number	85366990
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	0.5 A (1 A to 40°C)
Current carrying capacity per slot	0.5 A (1 A to 40°C)
Total rated current	4 A

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Technical data

General

	8 A (up to 40 °C)
Number of positions	4
Number of slots	8
Sensor/actuator connection system	M12-SPEEDCON-socket

Ambient conditions

Degree of protection	IP54 (with sealed mounting holes)
Ambient temperature (operation)	-30 °C ... 80 °C
Ambient temperature (storage/transport)	-30 °C ... 90 °C

Local diagnostics function

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

Master cable data/connection data

Connection method	Rear FLK pin strip and MINI COMBICON
Stripping length (signal)	9 mm
Conductor cross section min. (energy)	0.14 mm²
Conductor cross section max. (energy)	1.5 mm²
Conductor cross section AWG min. (energy)	26
Conductor cross section AWG max. (energy)	16
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 contact, master cable side	CU alloy
Material of contact surface, master cable side	tin-plated
Material of the contact carrier on the master cable side	PA
Material of threaded sleeve	Zinc die-cast
Material of threaded sleeve surface	Nickel-plated
O-ring material	NBR
Sealing material	CR (flat gasket on the back)

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 1

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Technical data

Pin assignment

	2 / 4 (A) = 2
	3 / 4 (A) = 3
	4 / 4 (A) = 4
	5 / 4 (A) = 5
	6 / 4 (A) = 6
	7 / 4 (A) = 7
	8 / 4 (A) = 8
	1-8 / 1 (+ 24 V) = 9
	1-8 / 1 (+ 24 V) = 11
	1-8 / 1 (+ 24 V) = 13
	1-8 / 3 (0 V) = 10
	1-8 / 3 (0 V) = 12
	1-8 / 3 (0 V) = 14

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101

Environmental Product Compliance

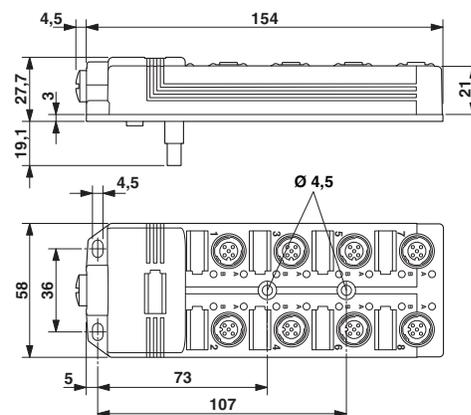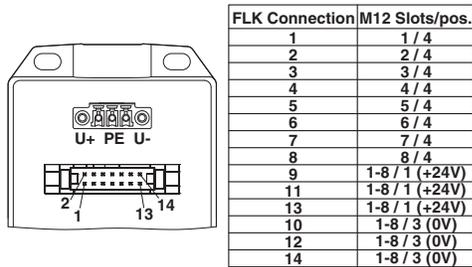|	
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram

Dimensional drawing
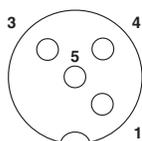
Pin assignment of M12 socket, 4-pos.

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Connection diagram

FLK Connection	M12 Slots/pos.
1	1 / 4
2	2 / 4
3	3 / 4
4	4 / 4
5	5 / 4
6	6 / 4
7	7 / 4
8	8 / 4
9	1-8 / 1 (+24V)
11	1-8 / 1 (+24V)
13	1-8 / 1 (+24V)
10	1-8 / 3 (0V)
12	1-8 / 3 (0V)
14	1-8 / 3 (0V)

Dimensional drawing
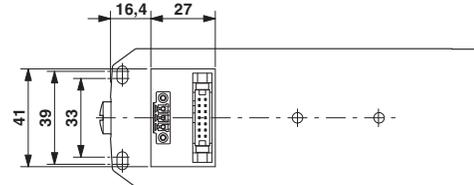
Circuit diagram
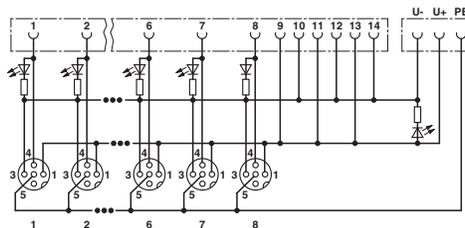
Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
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
eCl@ss 9.0	27440108

ETIM

ETIM 3.0	EC001856
ETIM 4.0	EC002585
ETIM 5.0	EC002585
ETIM 6.0	EC002585

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501

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Classifications

UNSPSC

UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC	EAC	EAC-Zulassung

Accessories

Accessories

Device marking

Snap-in markers - UC-EM (17,5X9) - 0827490

Snap-in markers, Sheet, white, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm
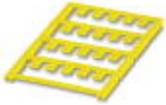
Snap-in markers - UCT-EM (17,5X9) - 0801491

Snap-in markers, Sheet, white, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

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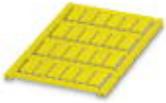
Accessories

Snap-in markers - UC-EM (17,5X9) YE - 0827494

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK CLED, BLUEMARK LED, CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

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Snap-in markers - UCT-EM (17,5X9) YE - 0801492

Snap-in markers, Sheet, yellow, unlabeled, can be labeled with: THERMOMARK PRIME, THERMOMARK CARD, BLUEMARK CLED, BLUEMARK LED, TOPMARK LASER, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

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Front adapter

Front adapters - FLKM 14-PA-INLINE/IN16 - 2302751

VARIOFACE front adapter for Inline modules, for transferring 16 (2 x 8) digital input signals.

Front adapters - FLKM 14-PA-INLINE/OUT16 - 2302764

VARIOFACE front adapter for Inline modules, for transferring 16 (2 x 8) digital output signals.

Front adapters - FLKM 14-PA-INLINE/32 - 2302777

VARIOFACE front adapter for Inline modules, for transferring 32 (4 x 8) digital signals.

Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

Accessories

Labeled device marker

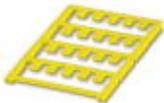Snap-in markers - UC-EM (17,5X9) CUS - 0828238

Snap-in markers, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm
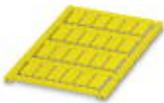
Snap-in markers - UCT-EM (17,5X9) CUS - 0801575

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications

Snap-in markers - UC-EM (17,5X9) YE CUS - 0828239

Snap-in markers, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, lettering field size: 17.5 x 9 mm

Snap-in markers - UCT-EM (17,5X9) YE CUS - 0801576

UniCard sheet, for labeling devices from other manufacturers, for overview table see download area, labeled according to customer specifications

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

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Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

Accessories

Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517

Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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

Tool - SAC BIT M12-D15 - 1208432

Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

Tool - SACC BIT M12-D20 - 1208445

Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

System cable

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Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

Accessories

Cable - FLK 14/EZ-DR/ 50/KONFEK - 2288901

Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

Cable - FLK 14/EZ-DR/ 100/KONFEK - 2288914

Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m

Cable - FLK 14/EZ-DR/ 200/KONFEK - 2288930

Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2 m

Cable - FLK 14/EZ-DR/ 500/KONFEK - 2290834

Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 5 m

Cable - FLK 14/EZ-DR/HF/ 50/KONFEK - 2305952

Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

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Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

Accessories

Cable - FLK 14/EZ-DR/HF/ 100/KONFEK - 2305965

Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m

Cable - FLK 14/EZ-DR/HF/ 200/KONFEK - 2305981

Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2 m

Cable - FLK 14/EZ-DR/HF/ 500/KONFEK - 2304717

Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 5 m

Cable - CABLE-FLK14/OE/0,14/ 50 - 2305761

Round cable set; connection 1: Single wires (14-position) (The wires are marked and fitted with ferrules.); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

Cable - CABLE-FLK14/OE/0,14/ 100 - 2305253

Round cable set; connection 1: Single wires (14-position) (The wires are marked and fitted with ferrules.); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m

Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

Accessories

Cable - CABLE-FLK14/OE/0,14/ 200 - 2305279

Round cable set; connection 1: Single wires (14-position) (The wires are marked and fitted with ferrules.); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2 m

Cable - CABLE-FLK14/OE/0,14/ 400 - 2305774

Round cable set; connection 1: Single wires (14-position) (The wires are marked and fitted with ferrules.); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 4 m

Cable - FLK 50/4X14/EZ-DR/ 50/KONFEK - 2296689

Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 0.5 m

Cable - FLK 50/4X14/EZ-DR/ 100/KONFEK - 2296692

Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 1 m

Cable - FLK 50/4X14/EZ-DR/ 200/KONFEK - 2296715

Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 2 m

Sensor/actuator box - SACB-8/8-L-PUR SCO FLK14/MCV3P - 1547928

Accessories

Cable - FLK 50/4X14/EZ-DR/ 400/KONFEK - 2296731

Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (4x 14-position); cable length: 4 m

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Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

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

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

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

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