

# Power distributor - SACB-4/T-L-8FUSE CT AXL - 1413929

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Power distributor, application: Power supply, connection method: M12 socket Metal, number of slots: 4, number of positions: 4, coding: T power, slot assignment: single, status display: yes, Universal; master cable connection: Plug-in master cable connection 90°, shielding: no

## Your advantages

- ✓ Safety in the field, thanks to molded housing and high degree of protection
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics
- ✓ Flexible: distributor box with connector hood for on-site assembly



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 025476
GTIN	4055626025476
Weight per Piece (excluding packing)	556.500 g
Custom tariff number	85444290
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### General

Rated voltage	24 V DC
Max. operating voltage $U_{max}$	30.5 V DC
Current carrying capacity per I/O signal	10 A
Current carrying capacity per slot	2x 9.25 A (at 40 °C)
Total rated current	70 A (at 40°C, observe the distribution of the current paths under load)
Protective circuit	Overload protection for the outputs Fuse in header
Number of positions	4
Number of slots	4
Flammability rating according to UL 94	V0

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## Technical data

### General

Sensor/actuator connection system	M12 socket
Note	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
	Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".

### Ambient conditions

Degree of protection	IP66
	IP67
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °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	Plug-in master cable connection
Conductor cross section min. (energy)	2.5 mm <sup>2</sup>
Conductor cross section max. (energy)	6 mm <sup>2</sup>
Conductor cross section AWG min. (energy)	14
Conductor cross section AWG max. (energy)	10
External cable diameter min.	9 mm
External cable diameter max.	15.5 mm
Tightening torque, cover screw	0.6 Nm
Tightening torque, union nut	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	pre-nickel plated, gold-plated
Contact carrier material	PA
Material of contact, master cable side	CU alloy
Material of contact surface, master cable side	Silver-plated
Material of the contact carrier on the master cable side	PC
Material of threaded sleeve	Zinc die-cast
Material of threaded sleeve surface	Nickel-plated
Sealing material	Viton (M12 socket)
	NBR (Master cable side)

### Standards and Regulations

# Power distributor - SACB-4/T-L-8FUSE CT AXL - 1413929

## Technical data

### Standards and Regulations

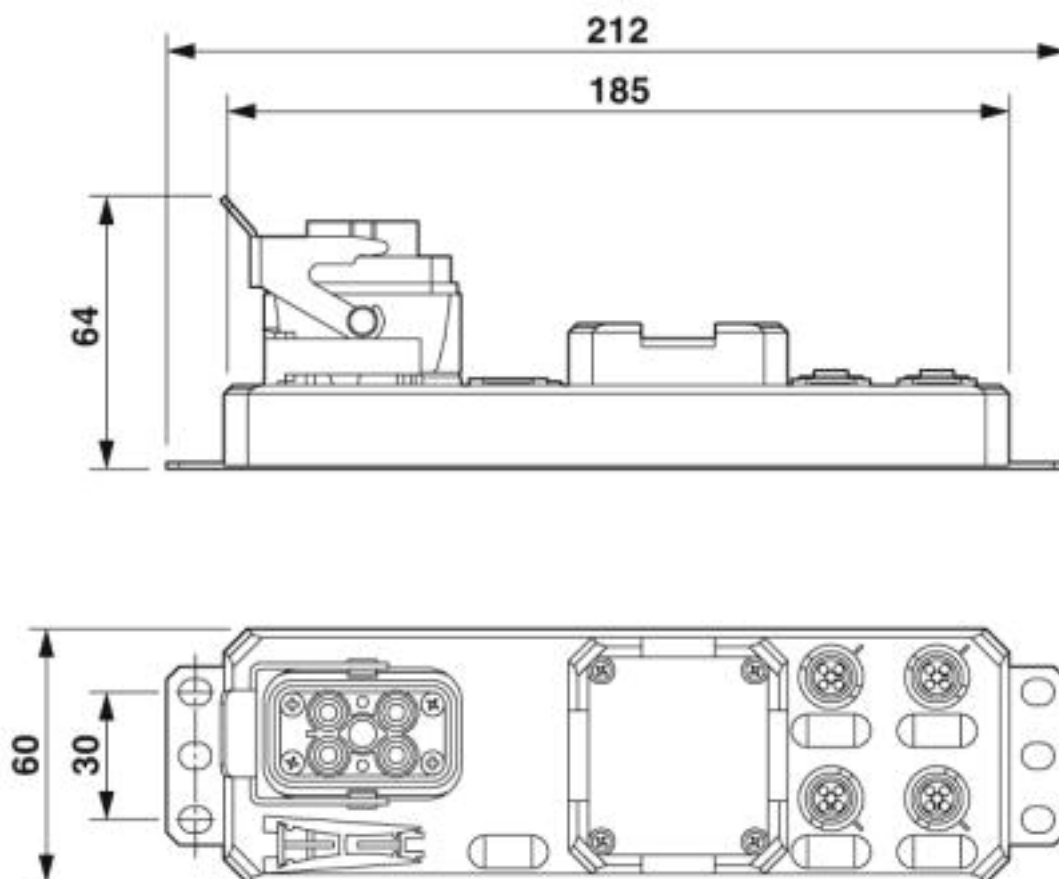
Standards/specifications	M12 connector IEC 61076-2-111
	Shock, vibration EN 60068-2-6 EN 60068-2-27 EN 60068-2-64
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

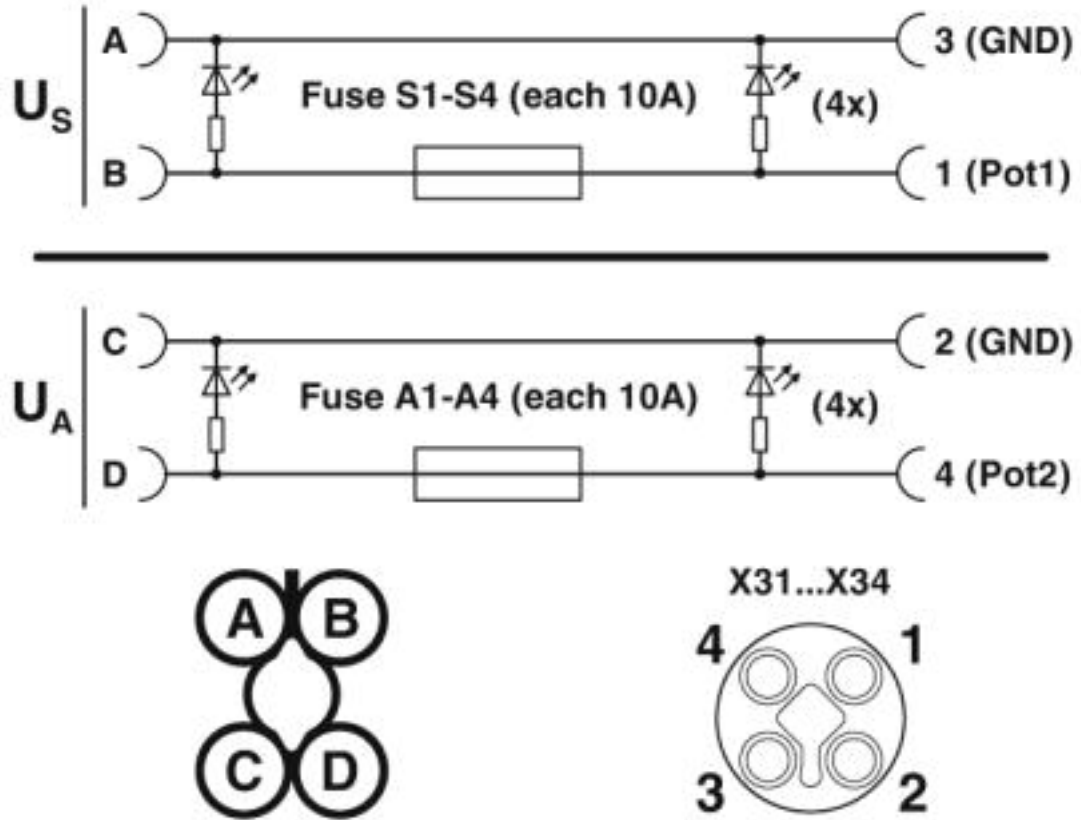
## Drawings

Dimensional drawing



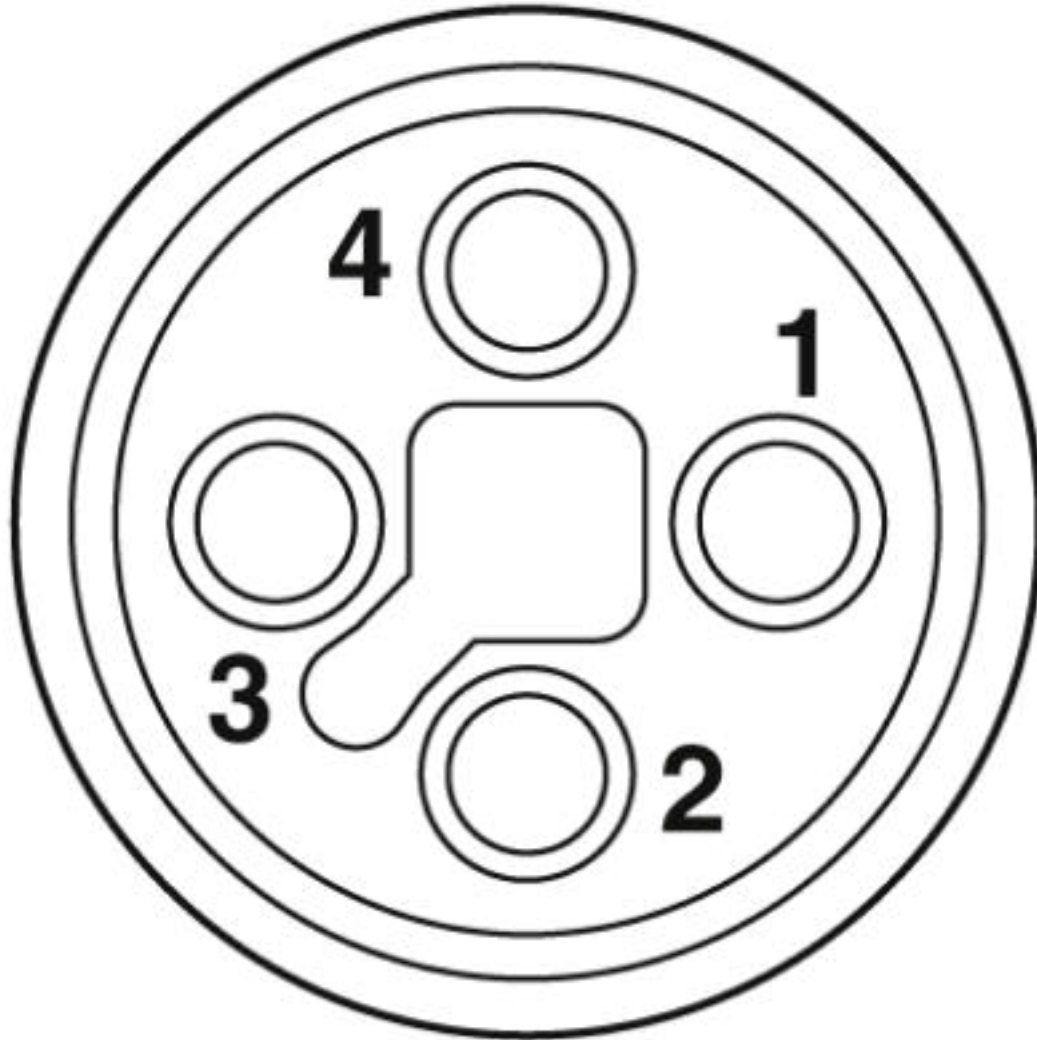
# Power distributor - SACB-4/T-L-8FUSE CT AXL - 1413929

Circuit diagram



## Power distributor - SACB-4/T-L-8FUSE CT AXL - 1413929

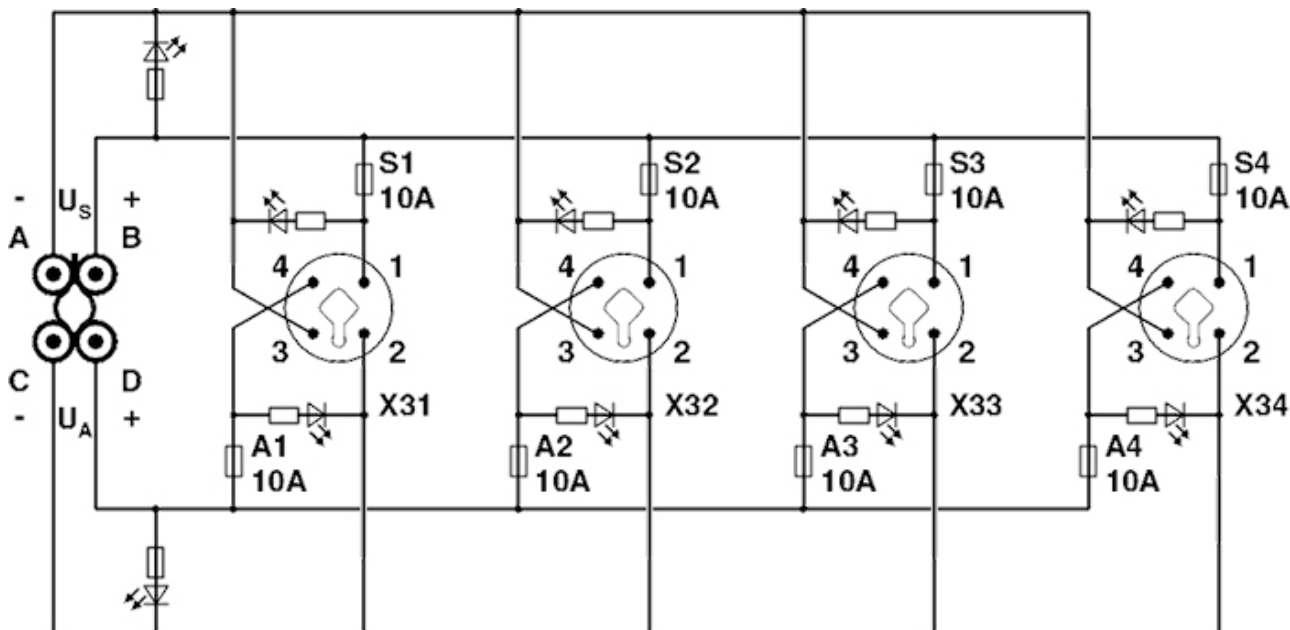
Schematic diagram



Pin assignment of M12 socket, 4-pos., T-coded, socket side view

# Power distributor - SACB-4/T-L-8FUSE CT AXL - 1413929

Circuit diagram



## Classifications

eCl@ss

eCl@ss 5.1	27250300
eCl@ss 6.0	27279200
eCl@ss 7.0	27279219
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108

ETIM

ETIM 5.0	EC000374
ETIM 6.0	EC002585
ETIM 7.0	EC002585

UNSPSC

UNSPSC 13.2	39121419
UNSPSC 19.0	31251501
UNSPSC 20.0	31251501

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## Classifications

### UNSPSC

UNSPSC 21.0	31251501
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## Approvals

### Approvals

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### Approvals

EAC

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### Ex Approvals

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## Approval details

EAC		RU C- DE.BL08.B.00511
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## Accessories

### Accessories

#### Circular connector (cable-side)

#### Power connectors - SACC-M12MST-3PECON-PG11-M - 1404643



Power connectors, Power, 4-position, unshielded, Plug straight M12, T-coded, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 mm, For direct current up to 12 A/63 V, Contact 4 leading

#### Power connectors - SACC-M12MRT-4CON-PG11-M - 1408988



Power connectors, 4-position, Plug angled M12, T-coded, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg11, external cable diameter 8 mm ... 10 mm, For direct current up to 12 A/63 V, Contact 4 leading

## Crimping tool

## Power distributor - SACB-4/T-L-8FUSE CT AXL - 1413929

### Accessories

Crimping pliers - CRIMPFOX-TC 10 - 1212114



Crimping pliers, for turned contacts with a pin diameter of 4.0 mm, two marked die stations, pressure lock can be released, lateral entry, incl. positioning help

Crimping pliers - CRIMPFOX-TC 4 - 1212113



Crimping pliers, for CK 1,6-ED..., CK 2,5-ED..., CK 4,0-ED... turned contacts, 4 marked die stations, unlockable pressure lock, lateral entry, incl. positioning tool

### Device marking

Snap-in markers - UCT-EM (7X10) - 0830765



Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped into marker carrier, lettering field size: 7 x 10 mm, Number of individual labels: 30

### Plug for cable screw gland

Screw plug - PROT-MS SCO - 1553129



### Power cable

Power cable - SAC-4P-M12MST/ 1,0-PUR/M12FST - 1408808



Power cable, 4-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, T-coded, on Socket straight M12, T-coded, cable length: 1 m, For direct current up to 12 A/63 V

### Screwdriver tools



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### Accessories

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

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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

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Philips screwdriver - SZK PZ1 VDE - 1206450



Screwdriver, PZ crosshead, VDE insulated, size: PZ 1 x 80 mm, 2-component grip, with non-slip grip

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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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### Necessary add-on products

Crimp contact - CK4,0-ED-6,00BU AG - 1663307



Turned 4.0 crimp contact, individual female contact, core diameter 6.00 mm<sup>2</sup>, silver-plated

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### Accessories

Crimp contact - CK4,0-ED-4,00BU AG - 1663297



Turned 4.0 crimp contact, individual female contact, core diameter 4.00 mm<sup>2</sup>, silver-plated

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Crimp contact - CK4,0-ED-2,50BU AG - 1663284



Turned 4.0 crimp contact, individual female contact, core diameter 2.50 mm<sup>2</sup>, silver-plated

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Contact insert - HC-COM- 4/2-EBUC - 1408517



HEAVYCON crimp contact insert for compact plastic housing, socket version; 4-pos. + PE supply circuit, 2-pos. control circuit

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Housing - HC-COM-K-TFL-O1PG16-S - 1408339



Sleeve housing for single locking engagement nose, lateral cable outlet, for HC-COM-K-KV-PG16 screw connections...

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Housing - HC-COM-K-TFL-O1PG16-G - 1408342



Sleeve housing for single locking engagement nose, straight cable outlet, for HC-COM-K-KV-PG16 screw connections...

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## Power distributor - SACB-4/T-L-8FUSE CT AXL - 1413929

### Accessories

Cable gland - VC-K-KV-PG16(11,5-15,5) - 1854844



Half screw connection Pg16, made of plastic, consisting of rubber seal with one hole and one pressure screw, for type 1 housings, cable [mm] 11.5 - 15.5

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Cable gland - VC-K-KV-PG16( 9-13) - 1853764



Half screw connection Pg16, made of plastic, consisting of rubber seal with one hole and one pressure screw, for type 1 housings, cable [mm] 9 - 13

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