



**Automatización Eléctrica**  
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)

## Power distributor - SACB-4/T-L-8FUSE DIAG CT AXL - 1411048

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>)




Power distributor, Application: Power supply, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 4, Number of positions: 4, Coding: T power, Slot assignment: single, Status indication: Yes, Universal; Master cable connection: Plug-in master cable connection 90°, Shielding: No, Diagnostics port, M12, A-coded, 12-pos.

### Why buy this product

- Safety in the field, thanks to molded housing and high degree of protection
- Save time, thanks to installation with SPEEDCON fast locking system
- 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 STK
GTIN	 4 046356 920254

### 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 (M12 diagnostic socket for each channel max. 50 mA)
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
Sensor/actuator connection system	M12-SPEEDCON-socket

#### Ambient conditions

Degree of protection	IP66
	IP67

# Power distributor - SACB-4/T-L-8FUSE DIAG CT AXL - 1411048

## Technical data

### Ambient conditions

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

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

# Power distributor - SACB-4/T-L-8FUSE DIAG CT AXL - 1411048

## Classifications

eCl@ss

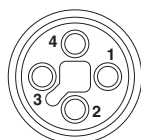
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 8.0	27279219

ETIM

ETIM 5.0	EC002585
----------	----------

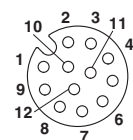
## Drawings

Schematic diagram



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

Schematic diagram

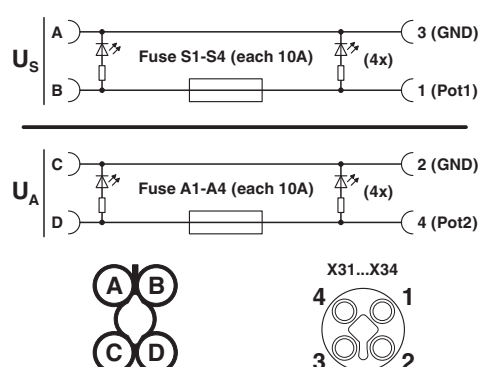


Pin assignment of M12 socket, 12-pos., A-coded, view of socket side, assignment: see connection drawing

Connection diagram

M12 DIAG	
1	+ 24 V
2	S3
3	S1
4	A1
5	A3
6	A4
7	A2
8	S4
9	S2
10	⏏
11	n.c
12	n.c

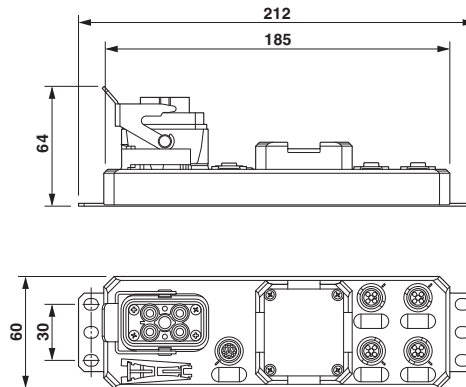
Circuit diagram



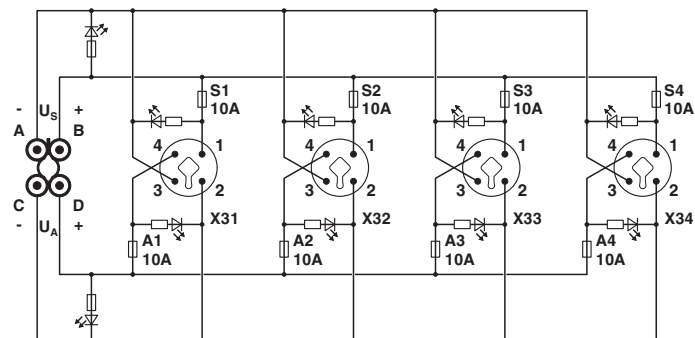
The fuses for the individual current paths can be monitored via the M12 diagnostics interface. Monitoring is via optocouplers and is therefore electrically isolated from the power distribution.

## Power distributor - SACB-4/T-L-8FUSE DIAG CT AXL - 1411048

Dimensional drawing



Circuit diagram



Phoenix Contact 2016 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Power distributor, Application: Power supply, Connection method: M12-SPEEDCON-socket Metal, Number of slots: 4, Number of positions: 4, Coding: T power, Slot assignment: single, Status indication: Yes, Universal; Master cable connection: Plug-in master cable connection 90°, Shielding: No, Diagnostics port, M12, A-coded, 12-pos.	1411048	SACB-4/T-L-8FUSE DIAG CT AXL	<a href="#">Buy on EAN</a>