



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Sensor/actuator box - SACB-6/12-M23 - 1692828

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Sensor/actuator box, application: Standard, connection method: M12 socket Plastic, number of slots: 6, number of positions: 5, coding: A - standard, slot assignment: Double, status display: No, Universal; master cable connection: M23 plug connection 90°, 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
- Save space: distributor box with double occupancy for two sensors in one slot

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 177959
GTIN	4017918177959
Sales Key	02

Technical data

General

Rated voltage	120 V
Max. operating voltage U_{max}	135 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	6
Flammability rating according to UL 94	V0
Sensor/actuator connection system	M12 socket

Ambient conditions

Degree of protection	IP65
	IP67

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Technical data

Ambient conditions

Ambient temperature (operation)	-20 °C ... 75 °C
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Master cable data/connection data

Connection method	M23 plug connection
Tightening torque slot sensor/actuator cable	0.4 Nm

Insulation material

Housing material	PA
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA
Material of contact, master cable side	CU alloy
Material of contact surface, master cable side	Gold-plated
Material of the contact carrier on the master cable side	PA
Material of threaded sleeve	PA
O-ring material	NBR

Pin assignment

Slot/position = Wire color or connection	1 / 4 (A) = 15
	1 / 2 (B) = 7
	2 / 4 (A) = 5
	2 / 2 (B) = 4
	3 / 4 (A) = 16
	3 / 2 (B) = 8
	4 / 4 (A) = 3
	4 / 2 (B) = 14
	5 / 4 (A) = 17
	5 / 2 (B) = 9
	6 / 4 (A) = 2
	6 / 2 (B) = 13
	1-6 / 1 (+ 120 V) = 19
	1-6 / 3 (0 V) = 6
	1-6 / 5 (PE) = 12

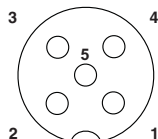
Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Drawings

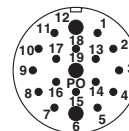
Sensor/actuator box - SACB-6/12-M23 - 1692828

Schematic diagram



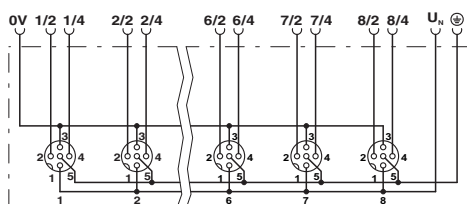
M12 slot, socket, 5-pos.

Schematic diagram



M23 plug connection pin, 19-pos.

Circuit diagram



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	120 V		
mm ² /AWG/kcmil	22-16		


cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	120 V		

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Approvals

mm ² /AWG/kcmil	22-16

EAC		EAC-Zulassung
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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