

carrier

1439890

https://www.phoenixcontact.com/us/products/1439890

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Contact carrier, 5-position, Pin, angled, M12, coding: A, PCB mounting, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239692

Your advantages

- · Reduced mounting costs thanks to two-piece device connector
- · All common pin assignments and codings available
- Easy device integration thanks to mechanical port screw connections with threaded attachment, press-in contour or direct integration in the front plate
- · Additional gasket for the device when not plugged in

Commercial data

Item number	1439890
Packing unit	20 pc
Minimum order quantity	1 pc
Sales key	AB23
Product key	ABQAHA
Catalog page	Page 252 (C-2-2013)
GTIN	4046356476621
Weight per piece (including packing)	5.26 g
Weight per piece (excluding packing)	4.845 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

INC		
	Notes on operation	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Pro	oduct properties	
	Product type	Contact insert
	Application	Signal
	Number of positions	5
	Seal present	yes
	Shielded	yes
	Coding	Α
	Thread type	M12
Data management status		
	Article revision	06
I	nsulation characteristics	
	Overvoltage category	Ш
	Degree of pollution	3
Ele	ectrical properties	
	Rated surge voltage	1.5 kV
	Contact resistance	≤ 3 mΩ
	Insulation resistance	≥ 100 MΩ
	Nominal voltage U _N	60 V
	Nominal current I _N	4 A
Со	nnection data	
	Connection method	Wave soldering
		<u> </u>

Material specifications

Flammability rating according to UL 94	V0
Seal material	FKM / EPDM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6

Connector

Connection 1	
Head design	Pin



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Head cable outlet	angled			
Head thread type	M12			
Coding	A			
Mechanical properties				
Mechanical data				
Insertion/withdrawal cycles	> 100			
Environmental and real-life conditions				
Ambient conditions				
Degree of protection	IP67			
	IP67			
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)			
	-40 °C 85 °C (without mechanical actuation)			
Standards and regulations				
M12				
Standard designation	M12 connector			
Standards/specifications	IEC 61076-2-101			
Mounting				
Mounting type	PCB mounting			
Packaging specifications				
Type of packaging	Blister			



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Drawings



Pin assignment M12 male connector, 5-pos., A-coded, male side



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Approvals

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Approval ID: E118976-2	0100522			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	60 V	4 A	22 - 22	-

.R .	cUL Recognized Approval ID: E118976-20100522				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		60 V	4 A	22 - 22	-

cULus Recognized



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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27460201

ETIM

	ETIM 9.0	EC002635		
UN	UNSPSC			
	UNSPSC 21.0	39121400		



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions			
China RoHS				
Environment friendly use period (EFUP)	EFUP-E			
	No hazardous substances above the limits			
EU REACH SVHC				
REACH candidate substance (CAS No.)	No substance above 0.1 wt%			

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Accessories

PROT-M12 FS - Sealing cap

1560251 https://www.phoenixcontact.com/us/products/1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

PROT-M12 FS-M - Sealing cap

1430488 https://www.phoenixcontact.com/us/products/1430488



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field



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SACC-DSIV-M12MS-SEAL - Sealing ring

1405751 https://www.phoenixcontact.com/us/products/1405751

Sealing ring, color: green



SACC-M12-SCO PLUG - Housing screw connection

1551493 https://www.phoenixcontact.com/us/products/1551493



Housing screw connection, Pin, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1237430

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SACC-DSIV-M12-PLUG - Housing screw connection

1416145

https://www.phoenixcontact.com/us/products/1416145



Housing screw connection, Pin, M12, Rear mounting, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239108

SACC-M12-SCO PLUG L90 - Housing screw connection

1436709

https://www.phoenixcontact.com/us/products/1436709



Housing screw connection, M12-SPEEDCON, Front mounting, M12 x 1, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239632

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SACC-BP-M-M12/M15-6-THR - Housing screw connection

1413997

https://www.phoenixcontact.com/us/products/1413997



Housing screw connection, Pin, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239050

SACC-BP-M-M12/M15-7-THR - Housing screw connection

1413996

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Housing screw connection, Pin, M12, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239049



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SACC-BP-M-M12/M15-6-THR SCO - Housing screw connection

1413999

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Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239052

SACC-BP-M-M12/M15-7-THR SCO - Housing screw connection

1413998

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Housing screw connection, Pin, M12-SPEEDCON, Rear mounting, M15 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239051



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SACC-M12 PLUG PRESS - Housing screw connection

1437892

https://www.phoenixcontact.com/us/products/1437892



Housing screw connection, Pin, M12, Front mounting, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239688

SACC-DSIV-M12-PLUG-9 THR - Housing screw connection

1417984

https://www.phoenixcontact.com/us/products/1417984



Housing screw connection, Pin, M12, Rear mounting, M14 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239180



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SACC-BP-M-M12-THR PP - Housing screw connection

1027661

https://www.phoenixcontact.com/us/products/1027661



Housing screw connection, Pin, M12-Push-pull external locking, Rear mounting, M15 x 1, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

SACC-FP-M-M12-THR PP - Housing screw connection

1027679 https://www.phoenixcontact.com/us/products/1027679



Housing screw connection, Pin, M12-Push-pull external locking, Front mounting, THR- und Wellenlötkontakte, Item is lead-free in accordance with RoHS II without Exemption 6c (Pb < 0.1 %)

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