

# SAC-6P-DTMS-5P-M12FS - Adapter



1088171

<https://www.phoenixcontact.com/us/products/1088171>

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 documentation. Our general terms of use for downloads are valid.

Adapter, 5-position, Plug straight DEUTSCH DT04-6P, on Socket straight M12, coding: A



## Commercial data

Item number	1088171
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF13
Product key	BF1GGA
GTIN	4055626888415
Weight per piece (including packing)	26.6 g
Weight per piece (excluding packing)	26.6 g
Customs tariff number	85444290
Country of origin	US

# SAC-6P-DTMS-5P-M12FS - Adapter



1088171

<https://www.phoenixcontact.com/us/products/1088171>

## Technical data

### Notes

Note on application	Sufficient strain relief at the connection point can prevent premature stress and wear. Utilize tie down accessories to eliminate bending and dynamic loads on the connector.
---------------------	---

### Product properties

Product type	M8/M12 adapters
Number of positions	5
Coding	A

#### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

#### Data management status

Article revision	02
------------------	----

### Electrical properties

Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	4 A

### Material specifications

Flammability rating according to UL 94	V0
Seal material	Viton
Material of grip body	GF nylon
Contact material	CuSn
Contact surface material	Ni/Au M12, Ni/Sn DT
Contact carrier material	GF nylon
Material for screw connection	Brass, nickel-plated

### Connector

#### Connection 1

Type	Plug straight DEUTSCH DT04-6P
Number of positions	5

#### Connection 2

Type	Socket straight M12
Number of positions	5
Coding type	A

### Mechanical properties

#### Mechanical data

# SAC-6P-DTMS-5P-M12FS - Adapter



1088171

<https://www.phoenixcontact.com/us/products/1088171>

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

## Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP67
	IP69K
Ambient temperature (operation)	-40 °C ... 105 °C

## Approvals

National Marine Electronics Association	
Certificate	approved

## Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101
Standards/specifications	SAE J2030

# SAC-6P-DTMS-5P-M12FS - Adapter

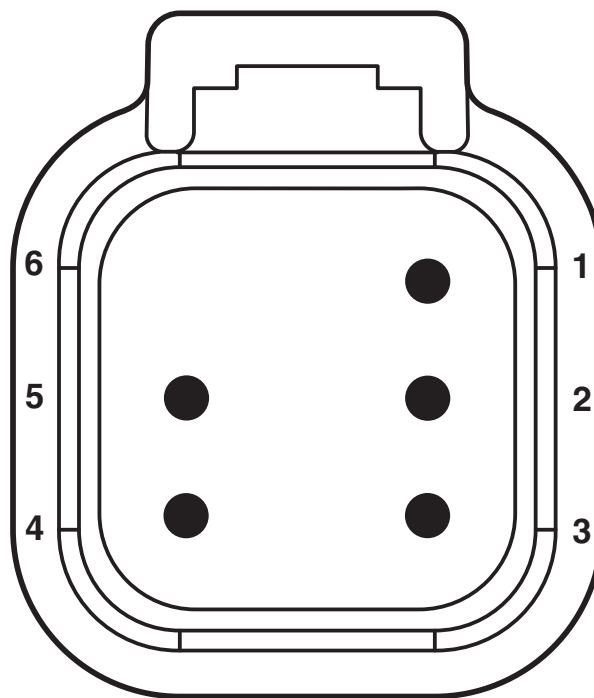
1088171

<https://www.phoenixcontact.com/us/products/1088171>



## Drawings

Schematic diagram



DEUTSCH DT04-5P pin assignment

Circuit diagram



Contact assignment

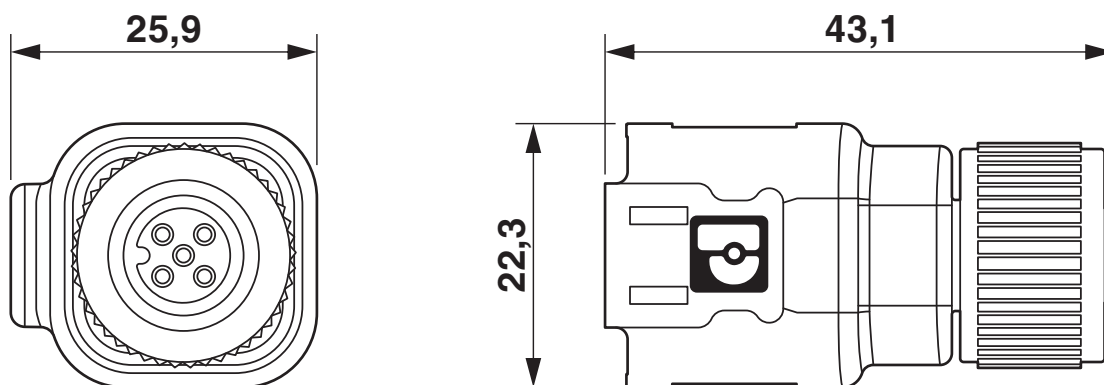
# SAC-6P-DTMS-5P-M12FS - Adapter

1088171

<https://www.phoenixcontact.com/us/products/1088171>

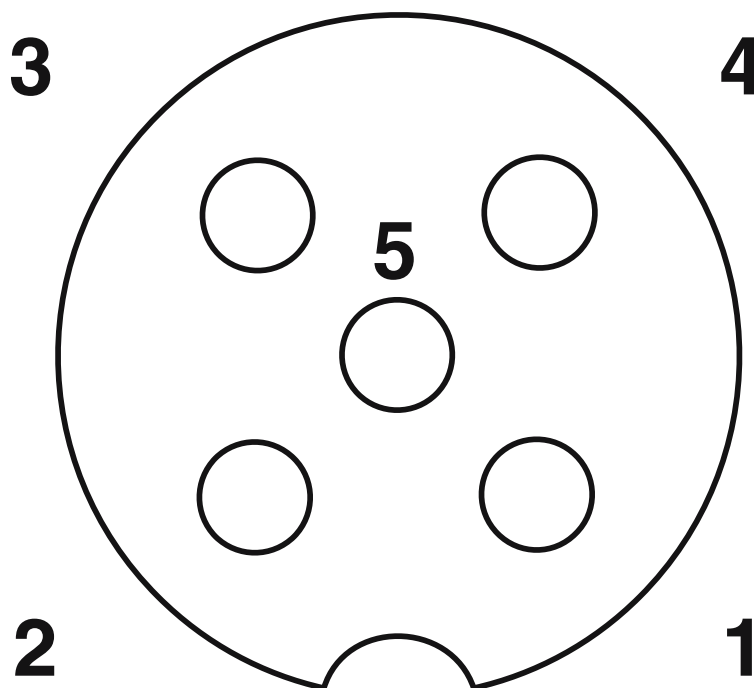


Dimensional drawing



DT/M12 adapter

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, view female side

# SAC-6P-DTMS-5P-M12FS - Adapter



1088171

<https://www.phoenixcontact.com/us/products/1088171>

## Classifications

### ECLASS

ECLASS-11.0	27440106
ECLASS-12.0	27440106
ECLASS-13.0	27440106

### ETIM

ETIM 9.0	EC002925
----------	----------

### UNSPSC

UNSPSC 21.0	31251500
-------------	----------

# SAC-6P-DTMS-5P-M12FS - Adapter



1088171  
<https://www.phoenixcontact.com/us/products/1088171>

## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	32cfac0c-326b-41c7-8a64-15f80eab33f5

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)