

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

1088171

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



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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

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## 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.
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### 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
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### 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

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Insertion/withdrawal cycles	≥ 100
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## 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
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## Standards and regulations

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

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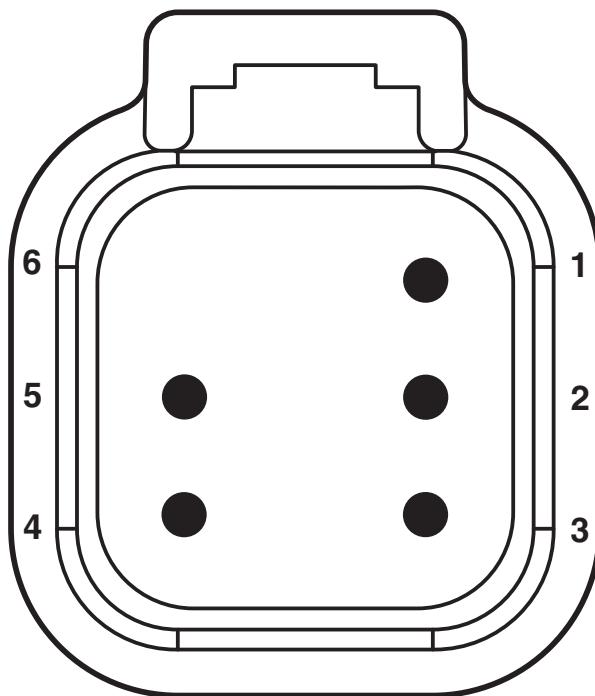
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## Drawings

Schematic diagram



DEUTSCH DT04-5P pin assignment

Circuit diagram



Contact assignment

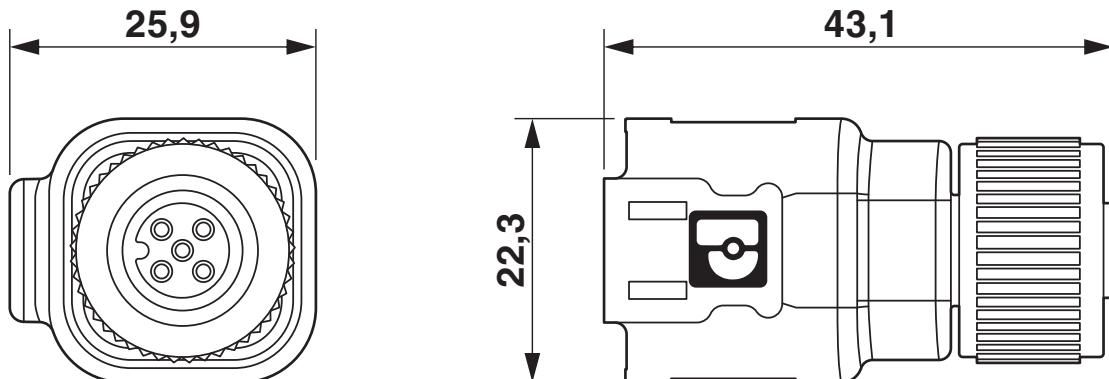
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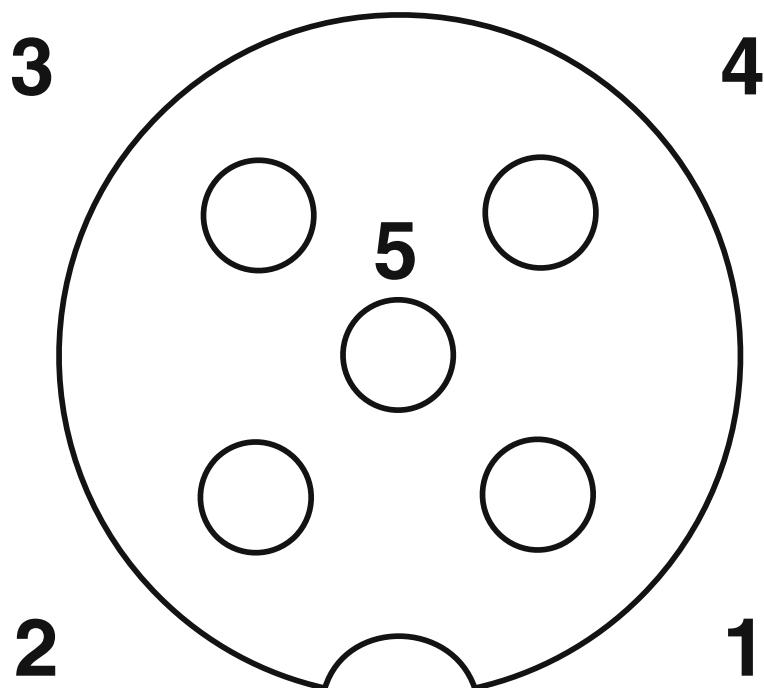


Dimensional drawing



DT/M12 adapter

Schematic diagram



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

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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002925
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### UNSPSC

UNSPSC 21.0	31251500
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## 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

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