# 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 | CN |

# Technical data

## Notes

| | |
|---|---|
| General | 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 |

## 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 | Nickel-plated brass |

## 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

| | |
|---|---|
| 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

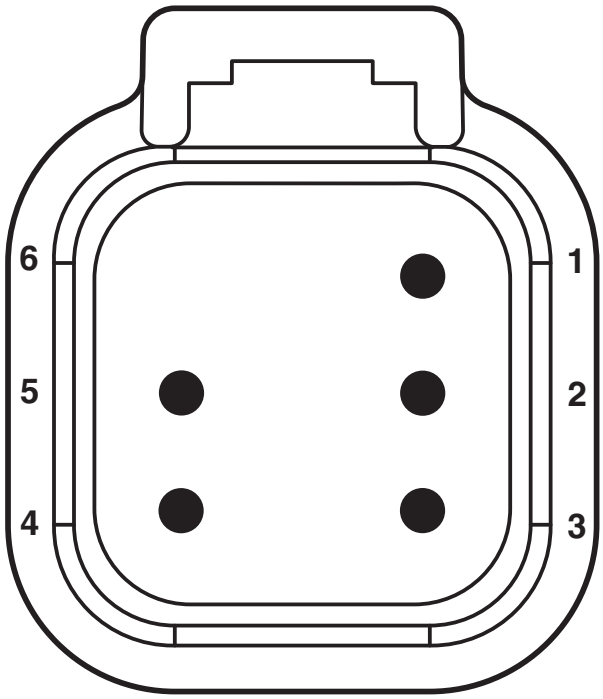
| | |
|---|---|
| Certificate | approved |

## Standards and regulations

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

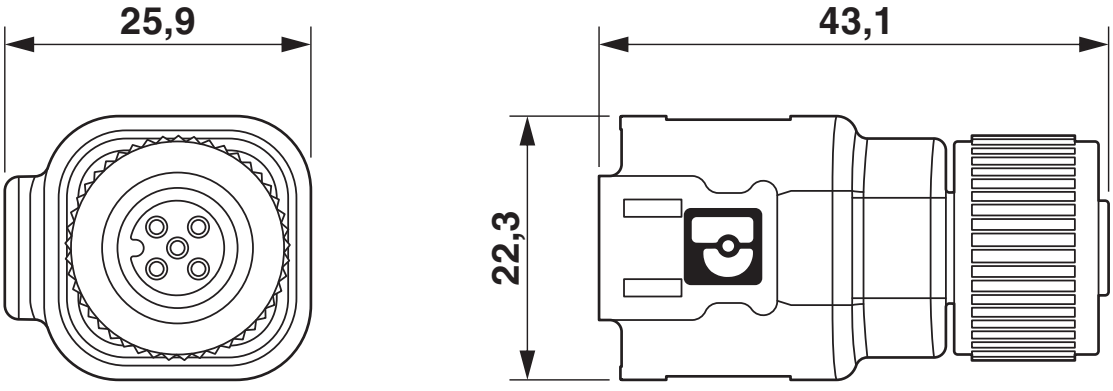
## Drawings

Schematic diagram




DEUTSCH DT04-5P pin assignment

Dimensional drawing

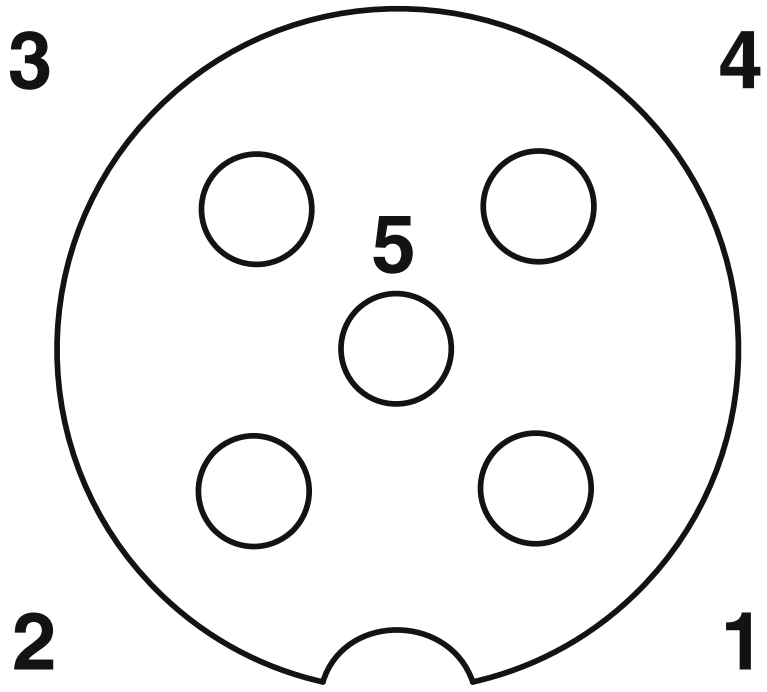



DT/M12 adapter

Circuit diagram




Schematic diagram




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

## Classifications

### ECLASS

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

### ETIM

| | |
|---|---|
| ETIM 8.0 | EC002925 |

### UNSPSC

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

## 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 |

## Accessories

### WT-HF 3,6X140 BK - Cable tie

3240745

https://www.phoenixcontact.com/us/products/3240745



Cable binders for quick and secure bundling, standard version

### WT-BASE LS HF 4 BK - Cable binder base

3240707

https://www.phoenixcontact.com/us/products/3240707



Cable binder base, for cable binders up to 4 mm wide, self-adhesive (rubber) and screwable, 4 mm fixing hole, 4-sided cable binder feed-through

## EML-HA (15X9)R - Label for rough surfaces

0830600

https://www.phoenixcontact.com/us/products/0830600



Label for rough surfaces, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: 15 x 9 mm, Number of individual labels: 2500


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