

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 | AF1GGA |
| 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 |

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 |
| Standards/regulations | Chemical, fertilizer (UAN32), UV resistance |

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

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



1088171

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

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 |

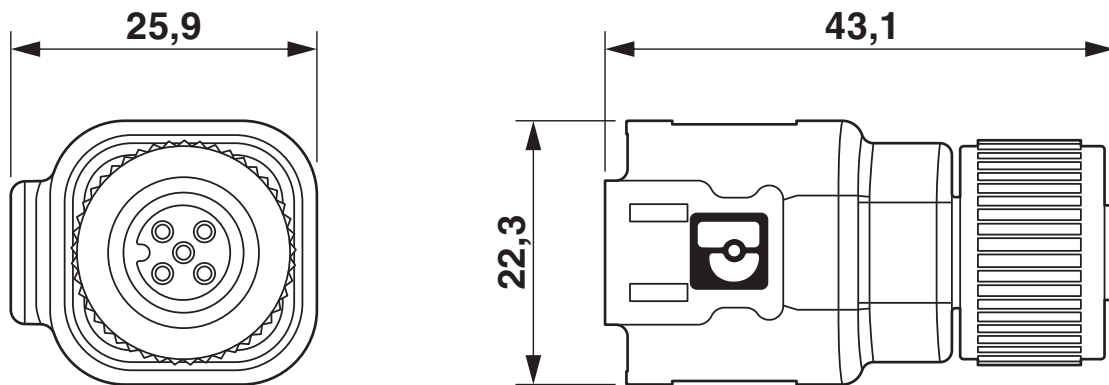
SAC-6P-DTMS-5P-M12FS - Adapter

1088171

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

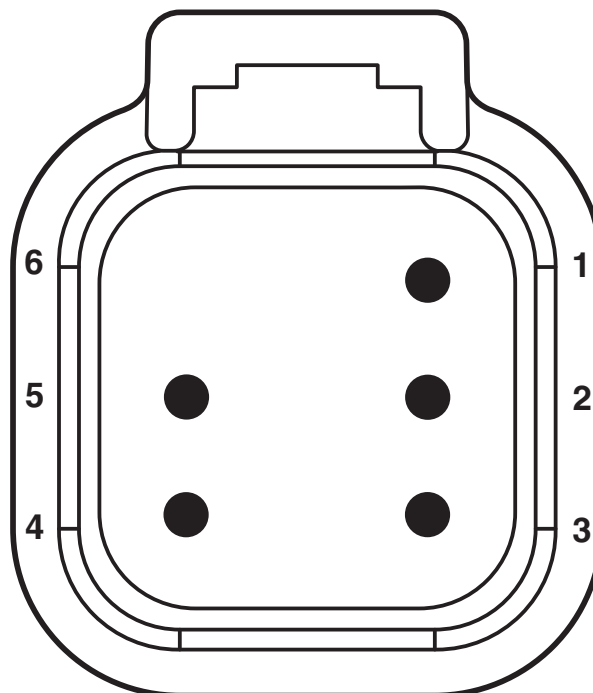
Drawings

Dimensional drawing



DT/M12 adapter

Schematic diagram



DEUTSCH DT04-5P pin assignment

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



1088171

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

Schematic diagram



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

Circuit diagram



Contact assignment

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



1088171

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

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440106 |
| ECLASS-15.0 | 27440106 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | 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 2026 © - 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