

# SAC-4PH-MT-FT/2XFT F VP SH - H distributor



1080244

<https://www.phoenixcontact.com/pc/products/1080244>

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H distributor, 4-position, shielded, Plug straight M12, coding: T, on Socket straight M12, coding: T and Socket straight M12, coding: T, for direct current up to 16 A/63 V, Parallel distributor



## Your advantages

- High-performance: DC connectors for up to 16 A and 63 V DC

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1080244       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | BF1GAP        |
| GTIN                                 | 4055626802572 |
| Weight per piece (including packing) | 130.2 g       |
| Weight per piece (excluding packing) | 130.2 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|         |                                                                                                                                                                                                                                                      |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General | <b>NOTE:</b> Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties. |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Product properties

|                      |               |
|----------------------|---------------|
| Product type         | H-distributor |
| Number of positions  | 4             |
| Application          | Power supply  |
| No. of cable outlets | 3             |
| Shielded             | yes           |
| Coding               | T             |
| Thread type          | M12           |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Electrical properties

|                       |                 |
|-----------------------|-----------------|
| Nominal voltage $U_N$ | 63 V DC         |
| Nominal current $I_N$ | 16 A (at 40 °C) |

### Signaling

|                        |    |
|------------------------|----|
| Status display         | No |
| Status display present | No |

### Dimensions

|                     |       |
|---------------------|-------|
| Dimensional drawing |       |
| Width               | 28 mm |
| Height              | 47 mm |
| Length              | 80 mm |
| Center distance     | 35 mm |

### Material specifications

|                                        |      |
|----------------------------------------|------|
| Material                               | CuZn |
|                                        | CuNi |
| Flammability rating according to UL 94 | V0   |

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|                               |                      |
|-------------------------------|----------------------|
| Seal material                 | NBR                  |
| Material of grip body         | PBT                  |
| Contact surface material      | Au                   |
| Contact carrier material      | PBT                  |
| Material for screw connection | Brass, nickel-plated |

## Connector

### Connection 1

|             |                   |
|-------------|-------------------|
| Type        | Plug straight M12 |
| Coding type | T                 |

### Connection 2

|             |                     |
|-------------|---------------------|
| Type        | Socket straight M12 |
| Coding type | T                   |

## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | > 100 |
|-----------------------------|-------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |                                  |
|---------------------------------|----------------------------------|
| Degree of protection            | IP65                             |
| Ambient temperature (operation) | -40 °C ... 85 °C (Plug / socket) |

## Standards and regulations

|                          |                 |
|--------------------------|-----------------|
| Standard designation     | M12 connector   |
| Standards/specifications | IEC 61076-2-111 |

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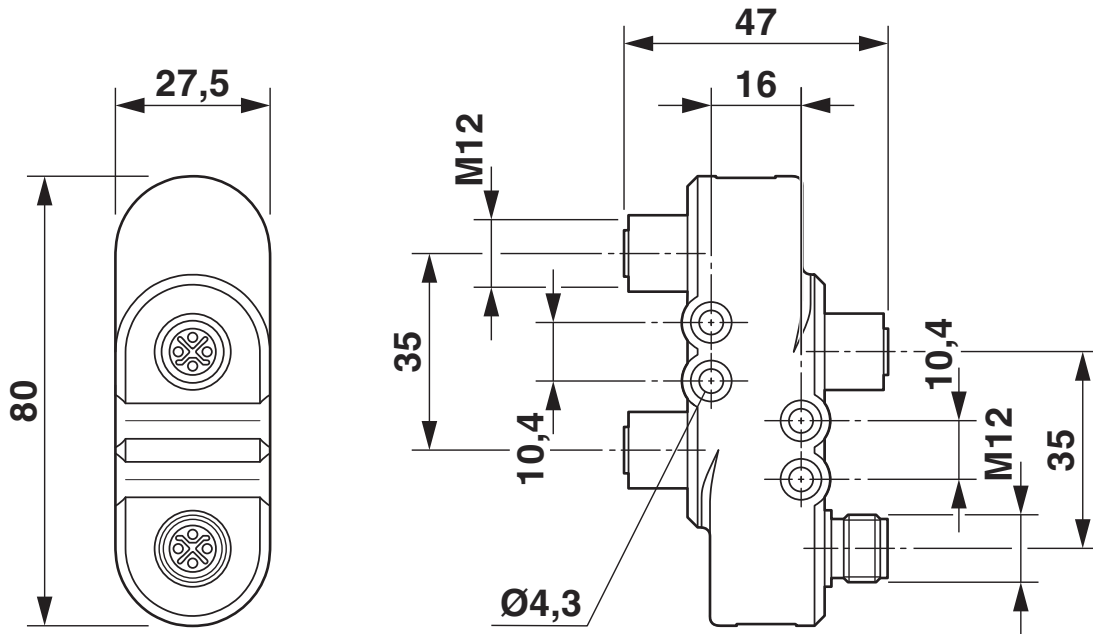
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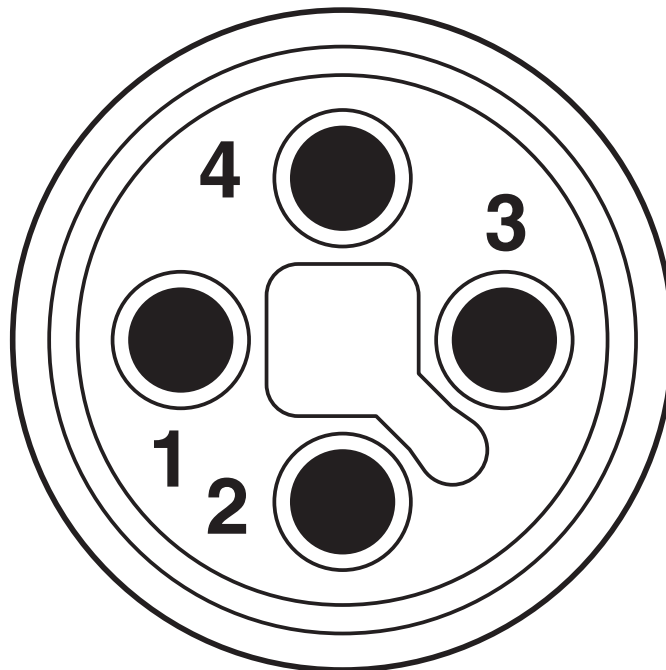
## Drawings

## Dimensional drawing



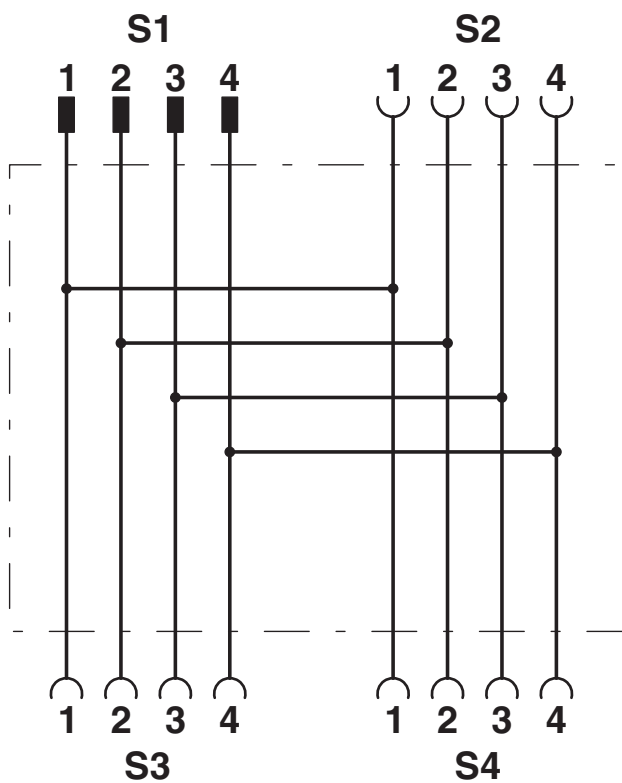
M12 H-distributor

### Schematic diagram

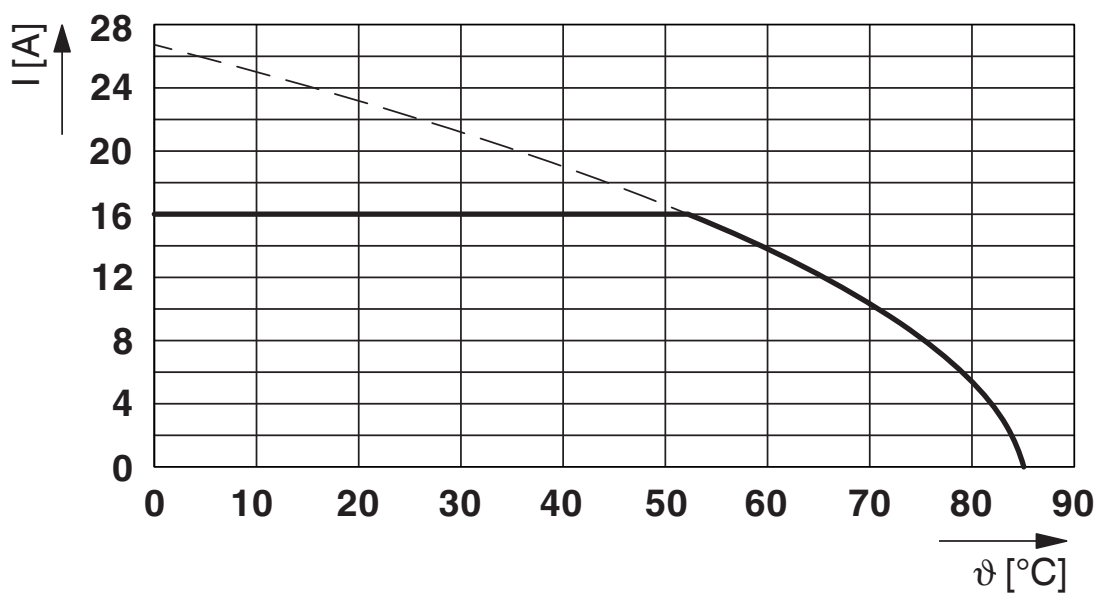


Pin assignment for M12 plug, 4-pos., T-coded, view of plug side

Circuit diagram

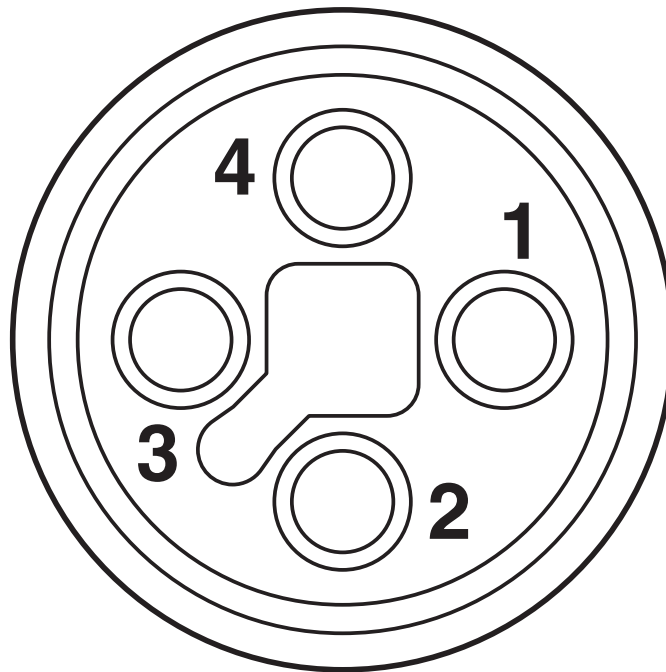


Diagram



Current carrying capacity

Schematic diagram



Pin assignment of M12 socket, 4-pos., T-coded, socket side view

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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



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Environmental product compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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## Accessories

### UCT-EM (7X10) - Snap-in markers

0830765

<https://www.phoenixcontact.com/pc/products/0830765>



Snap-in markers, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 7 x 10 mm, Number of individual labels: 30

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