

## Rear panel feed-through - SM-7EP1N8ACL03 - 1605835

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Rear panel feed-through, straight long, Screw locking, M40, number of positions: 4+3+PE, type of contact: Pin, Axial O-ring, 4xM4, shielded: yes, cable diameter range: 12.5 mm ... 17 mm, number of positions: 8, connection method: Crimp connection



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 6 pc                                                                                 |
| GTIN         |  |
| GTIN         | 4046356255196                                                                        |

### Technical data

#### General

|                                     |                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------|
| Note                                | Order information: Order crimp contacts 4 x Ø 2 mm, 4 x Ø 3.6 mm separately |
| Type of locking                     | Screw locking                                                               |
| Coding                              | N                                                                           |
| Contact connection method           | Crimp connection                                                            |
| Type of contacts                    | Pin                                                                         |
| Number of positions                 | 8                                                                           |
| Contact diameter of power contacts  | 3.6 mm                                                                      |
| Rated current for power contacts    | 70 A                                                                        |
| Contact diameter of signal contacts | 2 mm                                                                        |
| Nominal current per signal contact  | 30 A                                                                        |
| Conductor entry                     | 12.5 mm ... 17 mm                                                           |
| Pg housing screw connection         | none                                                                        |
| Mounting type                       | 4xM4                                                                        |

#### Ambient conditions

|                      |                   |
|----------------------|-------------------|
| Ambient temperature  | -40 °C ... 125 °C |
| Degree of protection | IP67              |

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### Technical data

#### Material

|                            |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| Housing material           | Turned parts: copper zinc alloy (CuZn), die-cast parts: zinc (GD-Zn) |
| Insulator material         | PA 6.6                                                               |
| Gasket and O-ring material | FPM                                                                  |

#### Specifications according to DIN EN 61984:2001

|                                                |        |
|------------------------------------------------|--------|
| Installation height max.                       | 3000 m |
| Nominal / operating voltage of power contacts  | 630 V  |
| Rated surge voltage of power contacts          | 6 kV   |
| Overvoltage category of power contacts         | III    |
| Degree of pollution of power contacts          | 3      |
| Nominal / operating voltage of signal contacts | 250 V  |
| Rated surge voltage of signal contacts         | 4 kV   |
| Overvoltage category of signal contacts        | III    |
| Degree of pollution of signal contacts         | 3      |

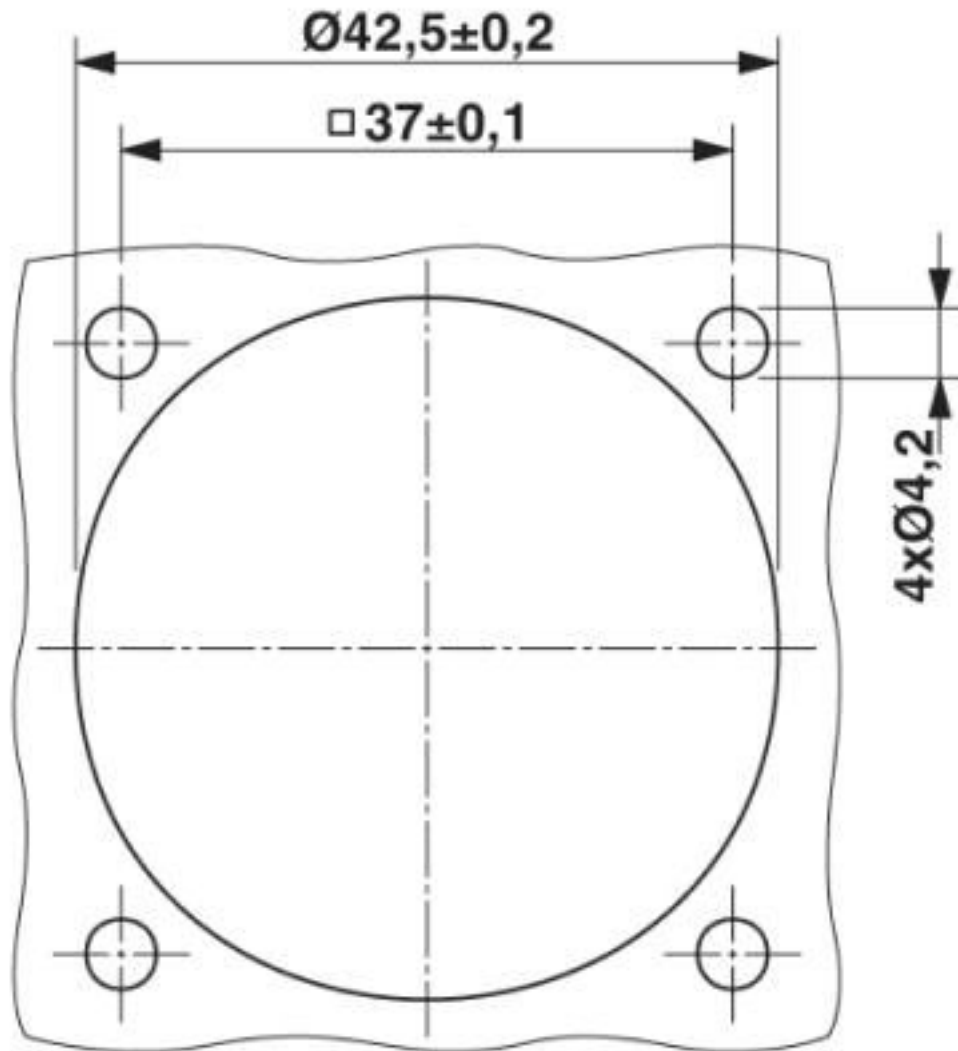
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

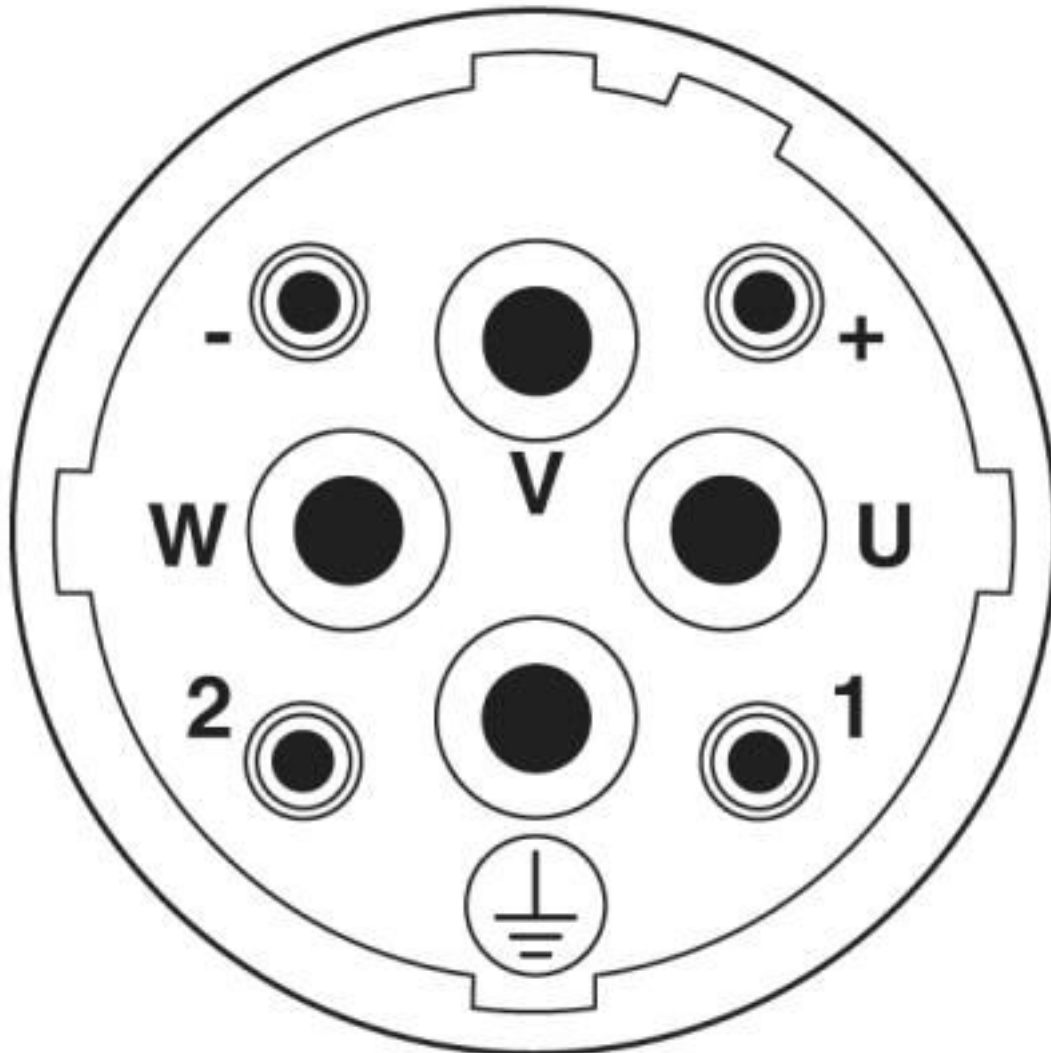
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Dimensional drawing



## Rear panel feed-through - SM-7EP1N8ACL03 - 1605835

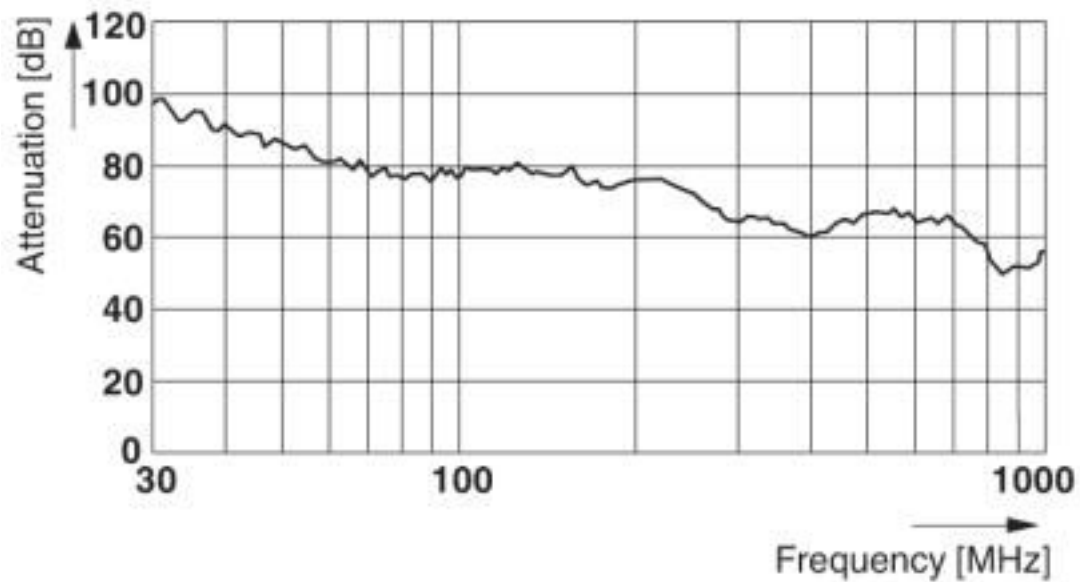
Schematic diagram



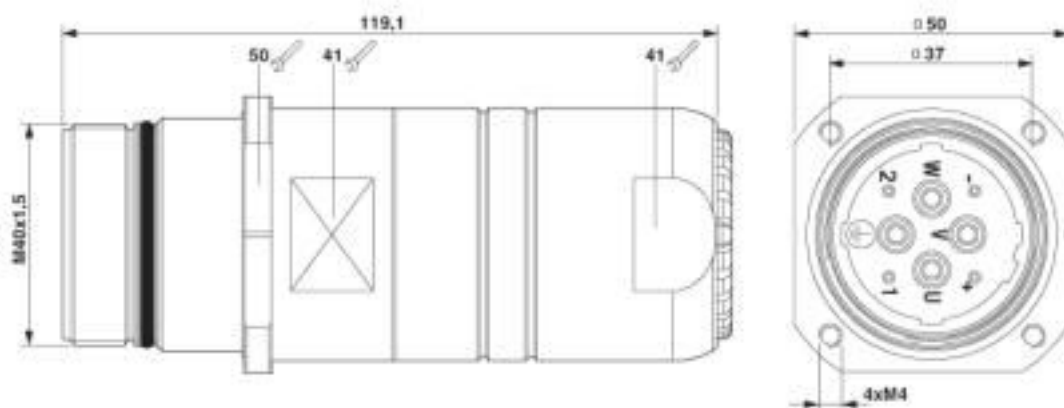
Connector pin assignment

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Diagram



Dimensional drawing



## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27440103 |
| eCl@ss 8.0 | 27440103 |
| eCl@ss 9.0 | 27440102 |

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC001121 |
| ETIM 5.0 | EC002061 |
| ETIM 6.0 | EC002061 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 43172015 |
| UNSPSC 7.0901 | 43201404 |
| UNSPSC 11     | 43172015 |
| UNSPSC 12.01  | 43201404 |
| UNSPSC 13.2   | 39121413 |
| UNSPSC 19.0   | 39121413 |

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