

## 7/8 Circular Connector

300V 10/8A

## Technical characteristics

|                          |                                    |                                    |                                    |
|--------------------------|------------------------------------|------------------------------------|------------------------------------|
| Number of contacts       | 3 (2+PE)                           | 4 (3+PE)                           | 5 (4+PE)                           |
| Rated current (40°C)     | 10A                                | 8A                                 | 8A                                 |
| Rated voltage            | 300V                               | 300V                               | 300V                               |
| Rated impulse voltage    | 2500V                              | 2500V                              | 2500V                              |
| Pollution degree         | 3                                  | 3                                  | 3                                  |
| Overvoltage categorie    | III                                | III                                | III                                |
| Contact resistance       | ≤ 3 mΩ                             | ≤ 3 mΩ                             | ≤ 3 mΩ                             |
| Connector locking system | screw 7/8-16UN                     | screw 7/8-16UN                     | screw 7/8-16UN                     |
| Termination              | single wires                       | single wires                       | single wires                       |
| Wire gauge               | max.1.5mm <sup>2</sup> (max.AWG16) | max.1.5mm <sup>2</sup> (max.AWG16) | max.1.5mm <sup>2</sup> (max.AWG16) |
| Cable outlet             | -                                  | -                                  | -                                  |
| Degree of protection     | IP67                               | IP67                               | IP67                               |
| Mechanical operation     | > 100                              | > 100                              | > 100                              |
| Limiting temperature     | -25°C ...+85°C                     | -25°C ...+85°C                     | -25°C ...+85°C                     |
| Material group           | II                                 | II                                 | II                                 |
| Material of contact      | copper alloy                       | copper alloy                       | copper alloy                       |
| Contact plating          | Au                                 | Au                                 | Au                                 |
| Insulating material      | TPU                                | TPU                                | TPU                                |
| Material of housing      | brass nickel plated                | brass nickel plated                | brass nickel plated                |

## Socket

Female panel mount connector  
with single wires, 0.82mm<sup>2</sup>,  
MAX.1.5mm<sup>2</sup>, length 0.2m  
font fastened

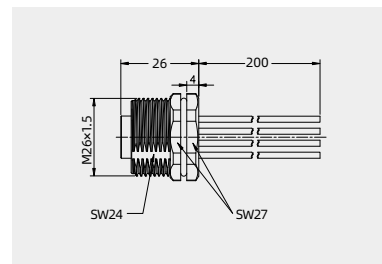


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| Contacts | screw | Designation           | Order No.        |
|----------|-------|-----------------------|------------------|
| 3 (2+PE) | M26   | 7/8-F03-BKR-M26-W0.82 | 168 003 302 4005 |
| 4 (3+PE) | M26   | 7/8-F04-BKR-M26-W0.82 | 168 004 302 4006 |
| 5 (4+PE) | M26   | 7/8-F05-BKR-M26-W0.82 | 168 005 302 4006 |

Customized cable length upon request



Female panel mount connector  
with single wires, 0.82mm<sup>2</sup>,  
MAX.1.5mm<sup>2</sup>, length 0.2m  
font fastened

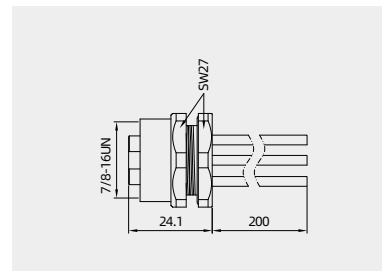


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| Contacts | screw    | Designation           | Order No.        |
|----------|----------|-----------------------|------------------|
| 3 (2+PE) | 7/8-16UN | 7/8-F03-BKR-7/8-W0.82 | 168 003 302 4006 |
| 4 (3+PE) | 7/8-16UN | 7/8-F04-BKR-7/8-W0.82 | 168 003 302 4007 |
| 5 (4+PE) | 7/8-16UN | 7/8-F05-BKR-7/8-W0.82 | 168 003 302 4008 |

Customized cable length upon request



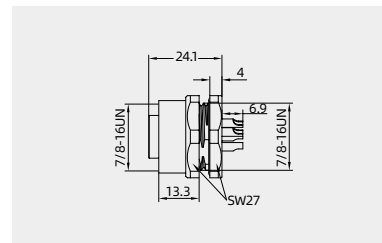
Female panel mount connector,  
solder



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| Contacts | screw    | Designation       | Order No.        |
|----------|----------|-------------------|------------------|
| 3 (2+PE) | 7/8-16UN | 7/8-F03-BKR-7/8-C | 168 003 323 1503 |
| 4 (3+PE) | 7/8-16UN | 7/8-F04-BKR-7/8-C | 168 004 323 1503 |
| 5 (4+PE) | 7/8-16UN | 7/8-F05-BKR-7/8-C | 168 005 323 1503 |



Female panel mount connector,  
solder



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| Contacts | screw | Designation       | Order No.        |
|----------|-------|-------------------|------------------|
| 3 (2+PE) | M26   | 7/8-F03-BKR-M26-C | 168 003 323 1504 |
| 4 (3+PE) | M26   | 7/8-F04-BKR-M26-C | 168 004 323 1504 |
| 5 (4+PE) | M26   | 7/8-F05-BKR-M26-C | 168 005 323 1504 |

