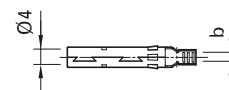
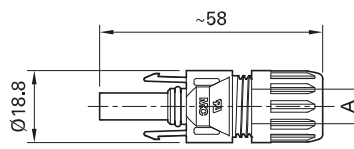


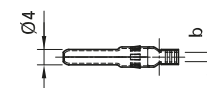
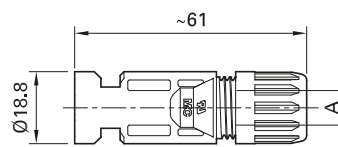
Female and male cable coupler MC4

Female and male cable coupler as individual part (including insulating part)

PV-KBT4...



PV-KST4...



| Order No. | Type | Female cable coupler | Male cable coupler | Ø range of cable gland | Conductor cross section | | | Approvals | | | |
|-----------------|------------------|----------------------|--------------------|------------------------|-------------------------|-----------------|-----|-----------|-----|----|----|
| | | | | | A (mm) | mm ² | AWG | b (mm) | TÜV | RU | SP |
| 32.0010P0001-UR | PV-KBT4/2,5I-UR | x | | 5-6 | 2.5 | 14 | 3 | x | x | x | x |
| 32.0011P0001-UR | PV-KST4/2,5I-UR | | x | 5-6 | 2.5 | 14 | 3 | | | | |
| 32.0140P0001-UR | PV-KBT4/2,5X-UR | x | | 5.5-7.4 | 2.5 | 14 | 3 | | | | |
| 32.0141P0001-UR | PV-KST4/2,5X-UR | | x | 5.5-7.4 | 2.5 | 14 | 3 | | | | |
| 32.0012P0001-UR | PV-KBT4/2,5II-UR | x | | 5.9-8.8 | 2.5 | 14 | 3 | | | | |
| 32.0013P0001-UR | PV-KST4/2,5II-UR | | x | 5.9-8.8 | 2.5 | 14 | 3 | | | | |
| 32.0014P0001-UR | PV-KBT4/6I-UR | x | | 5-6 | 4; 6 | 12; 10 | 5 | | | | |
| 32.0015P0001-UR | PV-KST4/6I-UR | | x | 5-6 | 4; 6 | 12; 10 | 5 | | | | |
| 32.0142P0001-UR | PV-KBT4/6X-UR | x | | 5.5-7.4 | 4; 6 | 12; 10 | 5 | | | | |
| 32.0143P0001-UR | PV-KST4/6X-UR | | x | 5.5-7.4 | 4; 6 | 12; 10 | 5 | | | | |
| 32.0016P0001-UR | PV-KBT4/6II-UR | x | | 5.9-8.8 | 4; 6 | 12; 10 | 5 | | | | |
| 32.0017P0001-UR | PV-KST4/6II-UR | | x | 5.9-8.8 | 4; 6 | 12; 10 | 5 | | | | |
| 32.0080-UR | PV-KBT4/8I-UR | x | | 6.05-8.56 | - | 8 | 4.4 | | x | x | |
| 32.0081-UR | PV-KST4/8II-UR | | x | 6.05-8.56 | - | 8 | 4.4 | | x | x | |
| 32.0034P0001 | PV-KBT4/10II | x | | 5.9-8.8 | 10 | - | 7.2 | x | | | x |
| 32.0035P0001 | PV-KST4/10II | | x | 5.9-8.8 | 10 | - | 7.2 | | | | |

Note:

For more detailed information concerning the suitable cable gland range, please consult MA231



Assembly Instructions MA231
www.staubli.com/electrical



Sealing caps page 43

Assembly tools page 48

- Snap-in lock
- In accordance with NEC 2014, requires a tool to open
- Proven MULTILAM technology with high long-term stability, which ensures consistently low performance loss through-

- out the entire service life of the plug connector
- Tried and tested plug connectors, over 15 years of experience in the field
- Available for assembly with cross-sections of 10 mm²

- Also available as ready made leads
- Mating compatibility with MC4 connector family
- Leads made to customer's specifications, see page 50

| Technical data | |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Connector system | Ø 4 mm |
| Rated voltage | 1000 V DC (IEC 62852) 1500 V DC (2Pfg2330) ¹⁾ 1500 V DC (UL) ²⁾ |
| Rated current TÜV (85°C) | 22.5 A (2.5 mm ²) 39 A (4 mm ² /6 mm ²) 45 A (10 mm ²) |
| Rated current UL | 30 A (14 AWG) 30 A (12 AWG/10 AWG) 50 A (8 AWG) |
| Rated impulse voltage | 12 kV (1000 V DC (TÜV)) 16 kV (1500 V DC (TÜV)) |
| Ambient temperature range | -40°C...+85°C (TÜV) -40°C...+75°C (UL) |
| Upper limiting temperature | 105°C (TÜV) |
| Degree of protection, mated unmated | IP65, IP68 (1 h/1 m) IP2X |
| Overvoltage category/Pollution degree | CATIII/3 |
| Contact resistance of plug connectors | ≤ 0.25 mΩ |
| Safety class | 1000 V DC: II 1500 V DC: 0 |
| Contact system | MULTILAM |
| Type of termination | Crimping |
| Contact material | Copper, tin plated |
| Insulation material | PC/PA |
| Locking system (UL) | Locking type |
| Flame class | UL94-V0 |
| Ammonia resistance (acc. to DLG) | 1500 h, 70°C/70% RH, 750 ppm |
| Salt mist spray test, degree of severity 6 | IEC 60068-2-52 |
| TÜV-Rheinland certified, in accordance with IEC 62852 | R60127190 ³⁾ |
| TÜV-Rheinland certified, in accordance with 2Pfg2330 | R60087448 |
| UL recognized component, in accordance with UL 6703 | E343181 |
| CSA certified, in accordance with UL 6703 | 250725 |
| CQC certified according CNCA/CTS0002-2012 | CQC16024138286 |

¹⁾ 2Pfg2330: only approved for locations with restricted access

²⁾ for selected configurations; see assembly instructions MA231 for details

³⁾ For PV junction boxes in accordance with IEC62790, lines in accordance with EN50618 must be used