

500 V contact inserts, screw connection

Contact inserts *revos* BASIC



6-pole + ground Size 6



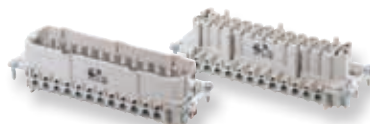
10-pole + ground Size 10



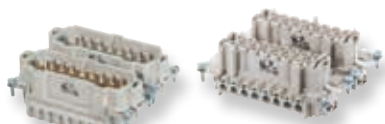
16-pole + ground Size 16



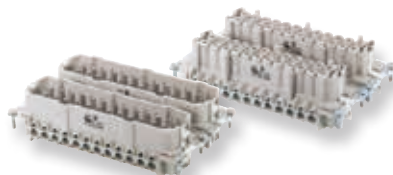
24-pole + ground Size 24



32-pole + ground Size 32



48-pole + ground Size 48



| Description | Type | Part No. | P.U. |
|--|----------------------|---------------|------|
| Contact inserts <i>revos</i> BASIC 500 V | | | |
| 6-pole + ground | | | |
| Male insert with wire protection, Sn | BAS STS 6 2.5 50 | 70.310.0640.0 | 10 |
| Male insert with wire protection, Ag | BAS STS 6 2.5 50 AG | 70.310.0602.0 | 10 |
| Male insert with wire protection, Au | BAS STS 6 2.5 50 AU | 70.311.0640.0 | 10 |
| Male insert without wire protection, Sn* | BAS STS OD 6 2.5 50 | 70.312.0640.0 | 10 |
| Female insert with wire protection, Sn | BAS BUS 6 2.5 50 | 70.300.0640.0 | 10 |
| Female insert with wire protection, Ag | BAS BUS 6 2.5 50 AG | 70.300.0602.0 | 10 |
| Female insert with wire protection, Au | BAS BUS 6 2.5 50 AU | 70.301.0640.0 | 10 |
| Female insert without wire protection, Sn* | BAS BUS OD 6 2.5 50 | 70.302.0640.0 | 10 |
| Contact inserts <i>revos</i> BASIC 500 V | | | |
| 10-pole + ground | | | |
| Male insert with wire protection, Sn | BAS STS 10 2.5 50 | 70.310.1040.0 | 10 |
| Male insert with wire protection, Ag | BAS STS 10 2.5 50 AG | 70.310.1002.0 | 10 |
| Male insert with wire protection, Au | BAS STS 10 2.5 50 AU | 70.311.1040.0 | 10 |
| Male insert without wire protection, Sn* | BAS STS OD 10 2.5 50 | 70.312.1040.0 | 10 |
| Female insert with wire protection, Sn | BAS BUS 10 2.5 50 | 70.300.1040.0 | 10 |
| Female insert with wire protection, Ag | BAS BUS 10 2.5 50 AG | 70.300.1002.0 | 10 |
| Female insert with wire protection, Au | BAS BUS 10 2.5 50 AU | 70.301.1040.0 | 10 |
| Female insert without wire protection, Sn* | BAS BUS OD 10 2.5 50 | 70.302.1040.0 | 10 |
| Contact inserts <i>revos</i> BASIC 500 V | | | |
| 16-pole + ground | | | |
| Male insert with wire protection, Sn | BAS STS 16 2.5 50 | 70.310.1640.0 | 10 |
| Male insert with wire protection, Ag | BAS STS 16 2.5 50 AG | 70.310.1602.0 | 10 |
| Male insert with wire protection, Au | BAS STS 16 2.5 50 AU | 70.311.1640.0 | 10 |
| Male insert without wire protection, Sn* | BAS STS OD 16 2.5 50 | 70.312.1640.0 | 10 |
| Female insert with wire protection, Sn | BAS BUS 16 2.5 50 | 70.300.1640.0 | 10 |
| Female insert with wire protection, Ag | BAS BUS 16 2.5 50 AG | 70.300.1602.0 | 10 |
| Female insert with wire protection, Au | BAS BUS 16 2.5 50 AU | 70.301.1640.0 | 10 |
| Female insert without wire protection, Sn* | BAS BUS OD 16 2.5 50 | 70.302.1640.0 | 10 |
| Contact inserts <i>revos</i> BASIC 500 V | | | |
| 24-pole + ground | | | |
| Male insert with wire protection, Sn | BAS STS 24 2.5 50 | 70.310.2440.0 | 10 |
| Male insert with wire protection, Ag | BAS STS 24 2.5 50 AG | 70.310.2402.0 | 10 |
| Male insert with wire protection, Au | BAS STS 24 2.5 50 AU | 70.311.2440.0 | 10 |
| Male insert without wire protection, Sn* | BAS STS OD 24 2.5 50 | 70.312.2440.0 | 10 |
| Female insert with wire protection, Sn | BAS BUS 24 2.5 50 | 70.300.2440.0 | 10 |
| Female insert with wire protection, Ag | BAS BUS 24 2.5 50 AG | 70.300.2402.0 | 10 |
| Female insert with wire protection, Au | BAS BUS 24 2.5 50 AU | 70.301.2440.0 | 10 |
| Female insert without wire protection, Sn* | BAS BUS OD 24 2.5 50 | 70.302.2440.0 | 10 |
| Contact inserts <i>revos</i> BASIC 500 V | | | |
| 32-pole + ground | | | |
| Male insert with wire protection, Sn, marked 1-16, 17-32 | BAS STS 32 2.5 50 | 70.310.3253.0 | 5 |
| Male insert with wire protection, Ag, marked 1-16, 17-32 | BAS STS 32 2.5 50 AG | 70.310.3202.0 | 5 |
| Female insert with wire protection, Sn, marked 1-16, 17-32 | BAS BUS 32 2.5 50 | 70.300.3253.0 | 5 |
| Female insert with wire protection, Ag, marked 1-16, 17-32 | BAS BUS 32 2.5 50 AG | 70.300.3202.0 | 5 |
| Contact inserts <i>revos</i> BASIC 500 V | | | |
| 48-pole + ground | | | |
| Male insert with wire protection, Sn, marked 1-24, 25-48 | BAS STS 48 2.5 50 | 70.310.4840.0 | 5 |
| Female insert with wire protection, Sn, marked 1-24, 25-48 | BAS BUS 48 2.5 50 | 70.300.4840.0 | 5 |

Technical data

| | |
|-----------------------------------|-------|
| Rated voltage | 500 V |
| Rated voltage according to UL/CSA | 600 V |
| Rated impulse voltage | 6 kV |
| Rated current | 16 A |
| Degree of pollution | 3 |

Rated cross section

| | |
|----------|---------------------------|
| EN 60999 | 0.5 – 2.5 mm ² |
| UL | 20 – 12 AWG |
| CSA | 20 – 12 AWG |

Contacts

| | |
|-------------------------|---------------------|
| Material | Copper alloy |
| Surface | Sn, Ag, Au |
| Insulation strip length | 7 mm |
| Contact resistance | ≤ 1,5 mΩ |
| Mating cycles | Sn 200 / Ag, Au 500 |

Screws

| | |
|--------------------------|-------------------|
| Mounting screws | H1 / 0.5 – 0.7 Nm |
| Clamping screws | H1 / 0.5 – 0.7 Nm |
| Ground conductor screws | H2 / 1.2 – 1.6 Nm |
| Temperature range | -40 – +120 °C |

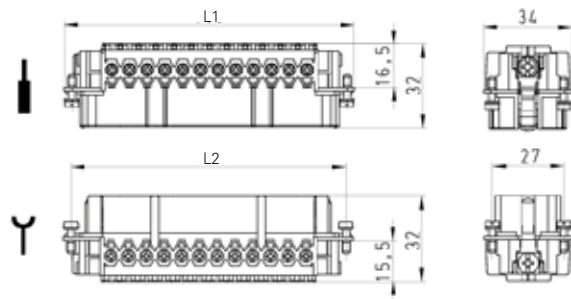
Housing 500 V

| | | |
|------|--------|--------------|
| Size | 6/6H | Page 120–127 |
| Size | 10/10H | Page 132–149 |
| Size | 16/16H | Page 160–177 |
| Size | 24/24H | Page 188–205 |
| Size | 32 | Page 216–217 |
| Size | 48 | Page 218–221 |

* Preparation of the wire required: ferrule, ultrasonic welding for flexible cables

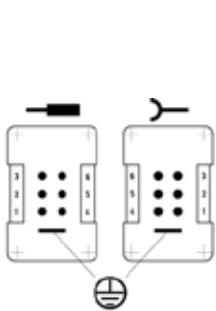
Dimensions

6-pole + ground – 24-pole + ground

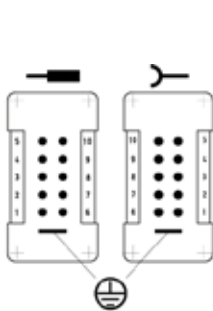


| Number of poles | L1 [mm] | L2 [mm] |
|-----------------|---------|---------|
| 6 | 50.5 | 44.0 |
| 10 | 63.0 | 57.0 |
| 16 | 83.0 | 77.5 |
| 24 | 110.8 | 104.0 |

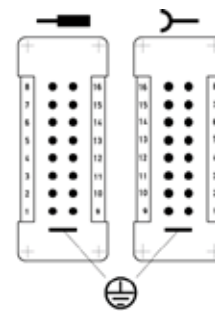
6-pole + ground



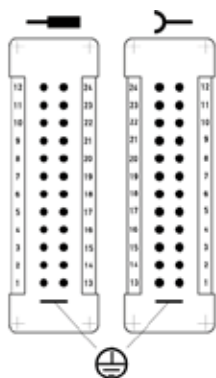
10-pole + ground



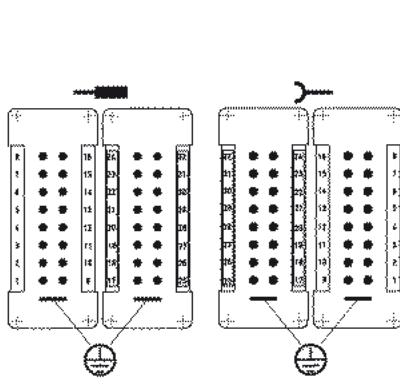
16-pole + ground



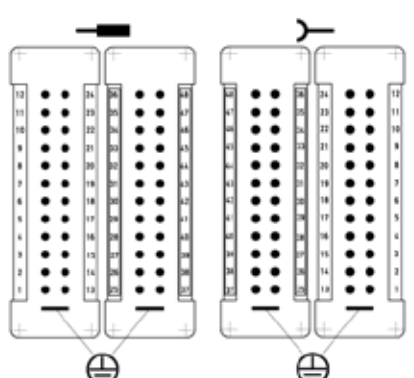
24-pole + ground



32-pole + ground



48-pole + ground



Derating curve
according to IEC 60512 sec. 3
revos BASIC
Screw version 500V / 16 A / 2.5 mm²

- 6-pole
- 10-pole
- 16-pole
- 24-pole

