

# 690 V contact inserts, screw connection

## Contact inserts *revos* BASIC



### 6-pole + ground Size 6



### 10-pole + ground Size 10



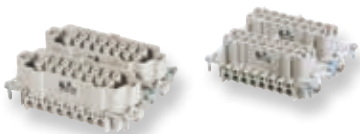
### 16-pole + ground Size 16



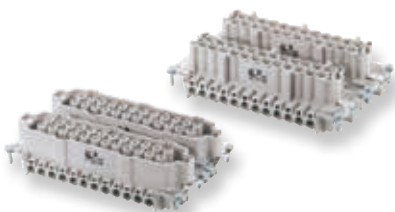
### 24-pole + ground Size 24



### 32-pole + ground Size 32



### 48-pole + ground Size 48



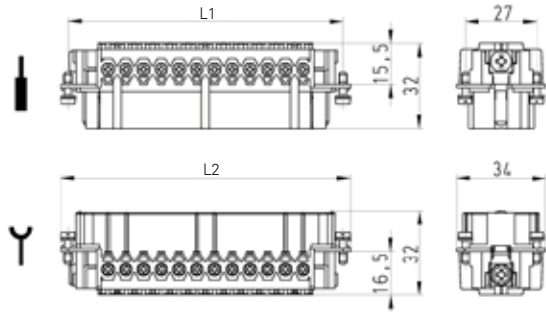
| Description                                     | Type              | Part No.      | P.U. |
|---|-------------------|---------------|------|
| <b>Contact inserts <i>revos</i> BASIC 690 V</b> |                   |               |      |
| <b>6-pole + ground</b>                          |                   |               |      |
| Male insert                                     | BAS STS 6 2.5 69  | 72.310.0653.0 | 10   |
| Female insert                                   | BAS BUS 6 2.5 69  | 72.300.0653.0 | 10   |
| <b>Contact inserts <i>revos</i> BASIC 690 V</b> |                   |               |      |
| <b>10-pole + ground</b>                         |                   |               |      |
| Male insert                                     | BAS STS 10 2.5 69 | 72.310.1053.0 | 10   |
| Female insert                                   | BAS BUS 10 2.5 69 | 72.300.1053.0 | 10   |
| <b>Contact inserts <i>revos</i> BASIC 690 V</b> |                   |               |      |
| <b>16-pole + ground</b>                         |                   |               |      |
| Male insert                                     | BAS STS 16 2.5 69 | 72.310.1653.0 | 10   |
| Female insert                                   | BAS BUS 16 2.5 69 | 72.300.1653.0 | 10   |
| <b>Contact inserts <i>revos</i> BASIC 690 V</b> |                   |               |      |
| <b>24-pole + ground</b>                         |                   |               |      |
| Male insert                                     | BAS STS 24 2.5 69 | 72.310.2453.0 | 10   |
| Female insert                                   | BAS BUS 24 2.5 64 | 72.300.2453.0 | 10   |
| <b>Contact inserts <i>revos</i> BASIC 690 V</b> |                   |               |      |
| <b>32-pole + ground</b>                         |                   |               |      |
| Male insert, marked 1-16, 17-32                 | BAS STS 32 2.5 69 | 72.310.3253.0 | 5    |
| Female insert, marked 1-16, 17-32               | BAS BUS 32 2.5 69 | 72.300.3253.0 | 5    |
| <b>Contact inserts <i>revos</i> BASIC 690 V</b> |                   |               |      |
| <b>48-pole + ground</b>                         |                   |               |      |
| Male insert, marked 1-24, 25-48                 | BAS STS 48 2.5 69 | 72.310.4853.0 | 5    |
| Female insert, marked 1-24, 25-48               | BAS BUS 48 2.5 69 | 72.300.4853.0 | 5    |

| Technical data                                     |                           |
|--|---------------------------|
| Rated voltage                                      | 690 V                     |
| Rated voltage according to UL/CSA                  | 600 V                     |
| Rated impulse voltage                              | 8 kV                      |
| Rated current                                      | 16 A                      |
| Degree of pollution                                | 3                         |
| Rated cross section                                |                           |
| EN 60999   | 0.5 – 2.5 mm <sup>2</sup> |
| UL   | 20 – 12 AWG               |
| CSA  | 20 – 12 AWG               |
| Contacts   |                           |
| Material   | Copper alloy              |
| Surface  | Sn                        |
| Insulation strip length                            | 7 mm                      |
| Contact resistance                                 | ≤ 1.5 mΩ                  |
| Mating cycles                                      | 200                       |
| Screws <small>head design / recomm. torque</small> |                           |
| 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 690 V |    |              |
|---------------|----|--------------|
| Size          | 6  | Page 128–131 |
| Size          | 10 | Page 150–159 |
| Size          | 16 | Page 178–187 |
| Size          | 24 | Page 206–215 |
| Size          | 32 | Page 216–217 |
| Size          | 48 | Page 218–221 |

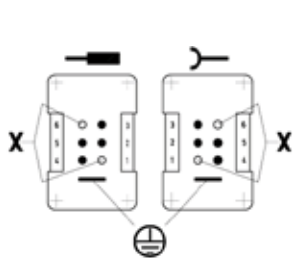
# Dimensions

## 6-pole + ground – 24-pole + ground

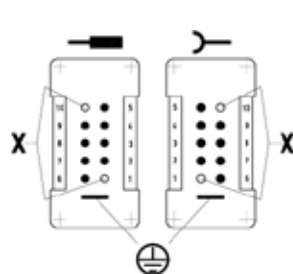


| Number of poles | L1 [mm] | L2 [mm] |
|-----------------|---------|---------|
| 6               | 44.0    | 50.0    |
| 10              | 57.0    | 63.0    |
| 16              | 77.5    | 83      |
| 24              | 104.0   | 110.0   |
| 32              | 77.5    | 83      |
| 48              | 104.0   | 110.0   |

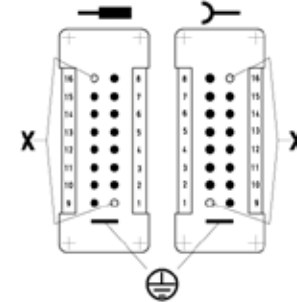
### 6-pole + ground



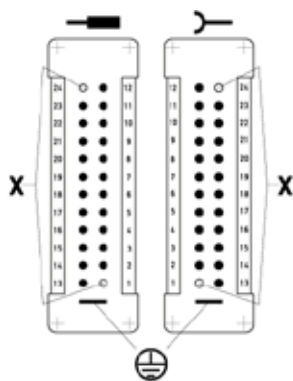
### 10-pole + ground



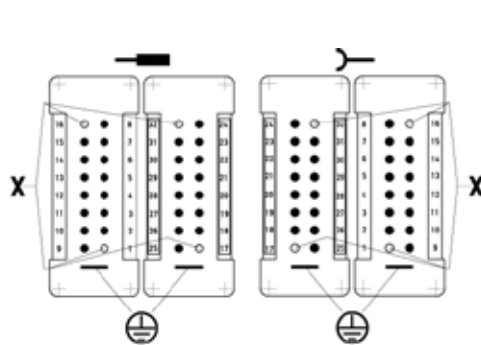
### 16-pole + ground



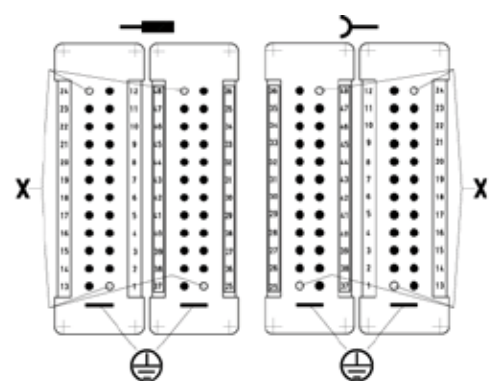
### 24-pole + ground



### 32-pole + ground



### 48-pole + ground



X = shortened switching contacts