



CSA rating data

| | |
|---------------------------------------|-------|
| Rated voltage, user group D | 300 V |
| Rated (nominal) current, user group D | 10 A |
| AWG conductor, max. (CSA) | 14 |
| AWG conductor, min. (CSA) | 28 |

Connectable conductors

| | |
|---|----------------------|
| Clamping range, min. | 0,08 mm ² |
| Clamping range, max. | 1,5 mm ² |
| fine-stranded, min. H05(07) V-U | 0,2 |
| fine-stranded, max. H05(07) V-U | 1,5 mm ² |
| Solid, min. H05(07) V-U | 0,2 mm ² |
| Solid, max. H05(07) V-U | 1,5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, max. | 1,5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0,2 mm ² |
| Wire end ferrule, DIN 46 228/1, min. | 0,2 mm ² |
| Wire end ferrule, DIN 46 228/1, max. | 1,5 mm ² |

DIN IEC rating data

| | |
|--|--------|
| Rated voltage for overvoltage class/pollution severity III/2 | 160 V |
| Rated voltage for overvoltage class/pollution severity II/2 | 250 V |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/2 | 2,5 kV |
| Rated current, max. No. pins (Tu=40°C) | 10 A |
| Rated current, min. No. pins (Tu=40°C) | 14,5 A |
| Rated impulse withstand voltage for overvoltage class/pollution severity II/2 | 2,5 kV |
| Rated current, min. No. pins (Tu=20°C) | 17 A |
| Rated current, max. No. pins (Tu=20°C) | 12 A |
| Rated impulse withstand voltage for overvoltage class/pollution severity III/3 | 2,5 kV |
| Rated voltage for overvoltage class/pollution severity III/3 | 160 V |

System parameters

| | |
|-------------------------|------------|
| Pitch | 3,50 mm |
| L1 in inch | 2,067 inch |
| L1 in mm | 52,50 mm |
| Pitch in inch | 0,138 inch |
| Stripping length | 6 mm |
| Tightening torque, max. | 0,25 Nm |
| Tightening torque, min. | 0,2 |
| Number of poles | 16 |

UL 1059 rating data

| | |
|-------------------------------|-------|
| AWG conductor, max. (UL 1059) | 14 |
| AWG conductor, min. (UL 1059) | 28 |
| Rated voltage, user group D | 300 V |
| Rated current (UL 1059) | 10 A |

material data

| | |
|----------------------------|----------|
| UL 94 combustibility class | V-0 |
| Contact surface | tinned |
| Contact base material | Cu alloy |
| Insulation material | PBT |
| Colour | orange |

Approvals

| | |
|--|-------|
| Rated voltage for overvoltage class/pollution severity III/2 | 160 V |
| Rated voltage for overvoltage class/pollution severity II/2 | 250 V |
| Rated voltage for overvoltage class/pollution severity III/3 | 160 V |

Approvals

Approvals



Classifications

| | |
|------------|-------------|
| ETIM 2.0 | NK |
| eClass 4.1 | 27-26-07-01 |
| eClass 5.0 | 27-26-07-01 |

General ordering data

| | |
|-------------------------|-----------------|
| Order No. | 1597500000 |
| Short text for material | BL 3.5/16 SN OR |
| EAN | 4008190025786 |

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Max. O.D. of conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch

- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Related products

| Order No. | Short text for material | Number of poles |
|------------|-------------------------|-----------------|
| 1597360000 | BL 3.5/2 SN OR | 2 |
| 1615670000 | BL 3.5/2 SN SW | 2 |
| 1597370000 | BL 3.5/3 SN OR | 3 |
| 1615680000 | BL 3.5/3 SN SW | 3 |
| 1597380000 | BL 3.5/4 SN OR | 4 |
| 1615690000 | BL 3.5/4 SN SW | 4 |
| 1597390000 | BL 3.5/5 SN OR | 5 |
| 1614090000 | BL 3.5/5 SN SW | 5 |
| 1597400000 | BL 3.5/6 SN OR | 6 |
| 1610180000 | BL 3.5/6 SN SW | 6 |
| 1597410000 | BL 3.5/7 SN OR | 7 |
| 1610190000 | BL 3.5/7 SN SW | 7 |
| 1597420000 | BL 3.5/8 SN OR | 8 |
| 1615700000 | BL 3.5/8 SN SW | 8 |
| 1597430000 | BL 3.5/9 SN OR | 9 |
| 1615710000 | BL 3.5/9 SN SW | 9 |
| 1597440000 | BL 3.5/10 SN OR | 10 |
| 1610200000 | BL 3.5/10 SN SW | 10 |
| 1597450000 | BL 3.5/11 SN OR | 11 |
| 1615720000 | BL 3.5/11 SN SW | 11 |
| 1597460000 | BL 3.5/12 SN OR | 12 |
| 1615730000 | BL 3.5/12 SN SW | 12 |
| 1597470000 | BL 3.5/13 SN OR | 13 |
| 1615740000 | BL 3.5/13 SN SW | 13 |
| 1597480000 | BL 3.5/14 SN OR | 14 |
| 1615750000 | BL 3.5/14 SN SW | 14 |
| 1597490000 | BL 3.5/15 SN OR | 15 |
| 1615760000 | BL 3.5/15 SN SW | 15 |
| 1615770000 | BL 3.5/16 SN SW | 16 |
| 1620290000 | BL 3.5/17 SN OR | 17 |
| 1620370000 | BL 3.5/17 SN SW | 17 |
| 1620300000 | BL 3.5/18 SN OR | 18 |
| 1620380000 | BL 3.5/18 SN SW | 18 |
| 1620310000 | BL 3.5/19 SN OR | 19 |
| 1620390000 | BL 3.5/19 SN SW | 19 |
| 1620320000 | BL 3.5/20 SN OR | 20 |
| 1620400000 | BL 3.5/20 SN SW | 20 |
| 1620330000 | BL 3.5/21 SN OR | 21 |
| 1620410000 | BL 3.5/21 SN SW | 21 |
| 1620340000 | BL 3.5/22 SN OR | 22 |
| 1620420000 | BL 3.5/22 SN SW | 22 |
| 1620350000 | BL 3.5/23 SN OR | 23 |
| 1620430000 | BL 3.5/23 SN SW | 23 |
| 1620360000 | BL 3.5/24 SN OR | 24 |
| 1620440000 | BL 3.5/24 SN SW | 24 |