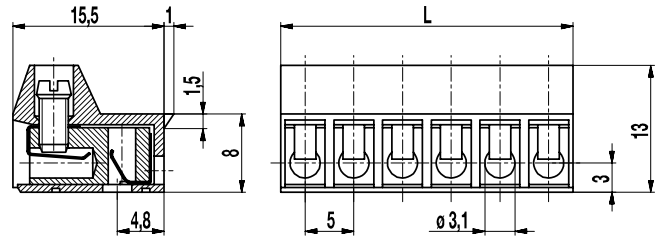
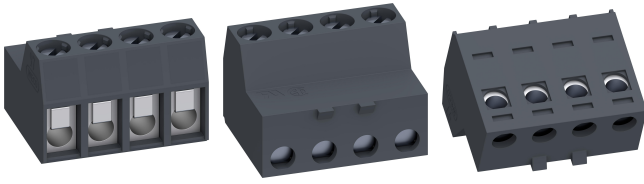


970-NFBW(-DS)

Plug connector
Screw connection, with latch nose



GENERAL INFORMATION

| | |
|--------------|--|
| Pitch | 5 mm |
| No. of poles | 2 - 12 |
| Usable with | Pin strip 971-FBWP, 971-SLW; single pins LST-1,3x6,5 |

TECHNICAL DATA

| | | | |
|-------------------------------|---|-------|-------|
| Clamping Range | <i>solid / stranded / AWG</i> | | |
| <i>without wire protector</i> | 1 - 6 mm ² / 1 - 4 mm ² / 16 - 10 AWG | | |
| <i>with wire protector</i> | 0,75 - 4 mm ² / 0,75 - 2,5 mm ² / 18 - 12 AWG | | |
| Rated Cross Section | 2,5 mm ² | | |
| Wire Stripping Length | 5,5 mm ± 0,5 mm | | |
| Overvoltage Category | III | III | II |
| Pollution Severity Level | 3 | 2 | 2 |
| Rated Voltage | 250 V | 320 V | 630 V |
| Rated Impulse Voltage | 4 kV | 4 kV | 4 kV |
| Rated Insulation Voltage | 250 V acc. to EN 60998-1 | | |
| Rated Current | 6 A | | |
| Torque | 0,5 Nm | | |

APPROVALS

| | Current [A] | Voltage [V] | Group | AWG | [Nm] |
|--|-------------|-------------|-------|-----------|------|
| | 20 | 300 | B | 22-12 [1] | 0,51 |
| | 10 | 300 | D | 22-12 [1] | 0,51 |
| | 20 | 300 | B | 26 - 12 | 0,4 |
| | 10 | 300 | D, E | 26 - 12 | 0,4 |

[1] Min No. 26 AWG for factory-wiring only

MATERIAL

| | |
|----------------------------|--|
| Moulding | PA, grey, V-0 |
| Comparative Tracking Index | CTI ≥ 600 |
| Insulating Group | I |
| Temperature Range | -40°C up to 100°C |
| Terminal body | Tin plated brass |
| Screw | M3; zinc plated steel, blue passivated |
| Wire protector | Tin plated tin bronze |
| Spring | Stainless strip steel |

OPTIONS / ACCESSORIES

- Marking according to customer requirement
- Self-adhesive marking strip BST-5,00
- Pitch of 10 mm for larger clearance and creepage distances
- Version with extended wire entrance
- Double wire protector as bridge

CONFIGURATIONS

| Poles | Item | Article number | Item | Article number | Length (L) | Packaging | PU |
|-------|-------------|----------------|----------------|----------------|------------|-----------|-----|
| 2 | 970-NFBW/02 | 30.873.142 | 970-NFBW-DS/02 | 40.873.142 | 10,00 mm | Box | 200 |
| 3 | 970-NFBW/03 | 30.873.143 | 970-NFBW-DS/03 | 40.873.143 | 15,00 mm | Box | 200 |
| 4 | 970-NFBW/04 | 30.873.144 | 970-NFBW-DS/04 | 40.873.144 | 20,00 mm | Box | 100 |
| 5 | 970-NFBW/05 | 30.873.145 | 970-NFBW-DS/05 | 40.873.145 | 25,00 mm | Box | 100 |
| 6 | 970-NFBW/06 | 30.873.146 | 970-NFBW-DS/06 | 40.873.146 | 30,00 mm | Box | 50 |
| 7 | 970-NFBW/07 | 30.873.147 | 970-NFBW-DS/07 | 40.873.147 | 35,00 mm | Box | 50 |
| 8 | 970-NFBW/08 | 30.873.148 | 970-NFBW-DS/08 | 40.873.148 | 40,00 mm | Box | 50 |
| 9 | 970-NFBW/09 | 30.873.149 | 970-NFBW-DS/09 | 40.873.149 | 45,00 mm | Box | 50 |
| 10 | 970-NFBW/10 | 30.873.150 | 970-NFBW-DS/10 | 40.873.150 | 50,00 mm | Box | 50 |
| 11 | 970-NFBW/11 | 30.873.151 | 970-NFBW-DS/11 | 40.873.151 | 55,00 mm | Box | 50 |
| 12 | 970-NFBW/12 | 30.873.152 | 970-NFBW-DS/12 | 40.873.152 | 60,00 mm | Box | 50 |

