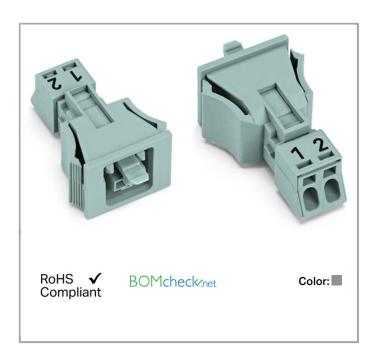
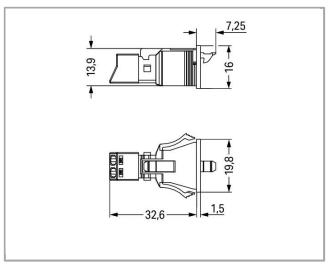
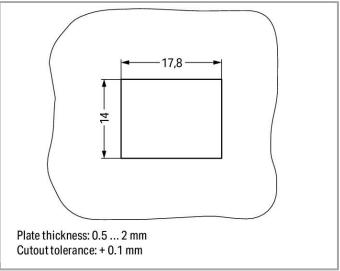
Snap-in socket; 2-pole; Cod. B

890-742









Item description

- Protected against mismating and maintenance-free
- Push-in CAGE CLAMP® spring pressure connection technology allows solid conductors to be simply pushed into a unit
- Compact design with 4.4 mm pole spacing
- Components can be clearly printed on and color-coded to meet custom requirements

890-742



Note:

All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug /socket).

Safety information 1:

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Data

Electrical data

Note on Contact Resistance

approx. $1m\Omega$ contact resistance

approx. $0.25m\Omega$ contact transition plug/socket

Ratings per IEC/EN 60664-1

| Rated voltage (III / 3) | 250 V |
|---------------------------------|-------|
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 16 A |

Approvals per UL 1977

| Rated voltage per UL 1977 (factory wiring only) | 600 V |
|---|-------|
| Rated current per UL 1977 (factory wiring only) | 14 A |

Connection data

| Connection technology | Push-in CAGE CLAMP® |
|---|------------------------------------|
| Actuation type | Operating tool |
| | Push-in |
| Nominal cross section | 1.5 mm² |
| Solid conductor | 0.25 1.5 mm² / 22 16 AWG |
| Solid conductor, push-in termination | 0.75 1.5 mm² / 20 16 AWG |
| Stranded conductor | 0.25 1 mm² / 22 18 AWG |
| Fine-stranded conductor | 0.25 1.5 mm² / 22 16 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 0.25 0.75 mm² / 22 20 AWG |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 0.75 mm² / 22 20 AWG |
| Strip length | 9 mm / 0.35 inch |
| Note (strip length) | see also packaging or instructions |

890-742



| No. of poles | 2 |
|---|----|
| Total number of connection points | 2 |
| Total number of potentials | 2 |
| Conductor entry direction to mating direction | 0° |

Geometrical Data

| Pin spacing | 4.4 mm / 0.173 inch |
|-------------|-----------------------|
| Width | 19.8 mm / 0.78 inch |
| Height | 16 mm / 0.63 inch |
| Depth | 39.85 mm / 1.569 inch |

Mechanical data

| Coding | В |
|---|---|
| Mating force of a plug-in connection | approx. 20 70 N (depending on pole number) |
| Retention force of a plug-in connection | When locked: > 80 N |
| Unmating force of a plug-in connection | when unlocked: approx. 20 70 N (depending on pole number) |
| Number of mating cycles | |

200, without resistive load

100, with resistive load I_N = 16 A, tested (1.5 mm 2 /16 AWG)

| Gehäuseblechstärke | 0.5 2 mm / 0.02 0.079 inch |
|--------------------------|--|
| Mounting type | Snap-in |
| Marking | 12 |
| Protection class | IP20 |
| Note on protection class | Only in mated condition with strain relief housing (These compact connectors are not designed for use in open, easily accessible areas.) |
| Potential marking | 12 |

Plug connection

| Contact type (pluggable connector) | Female connector/socket |
|------------------------------------|-------------------------|
| Connector connection type | for conductors |
| Mismating protection | Yes |
| Locking of plug-in connection | locking lever |
| Locking lever | yes |

Material Data

| Color | gray |
|---------------------|----------------------|
| Insulating material | Polyamide 66 (PA 66) |

890-742



| Flammabilit | ry class per UL94 | VO | |
|--------------------------------|--|--|--|
| Clamping spring material | | Chrome nickel spring steel (CrNi) | |
| Contact material Fire load | | Copper or copper alloy, surface-treated | |
| | | 0.107 MJ | |
| Weight | | 4.52 g | |
| Environme | ntal Requirements | | |
| | g air (operating) temperature | -35 85 °C | |
| | temperature | -5 +40 °C | |
| Continuous | s operating temperature | -35 +85 °C | |
| Note on Co | ntinuous Service Temperature | Insulating parts for temperatures ≤ 105 °C | |
| Commerci | al data | | |
| Product Gr | oup | 20 (WINSTA) | |
| Country of | origin | PL | |
| GTIN | | 4055143428200 | |
| Customs Ta | ariff No. | 85366990990 | |
| | / Certificates | | Certificate |
| | Approval CB | Additional Approval Text EN 61984 | Certificate name 71-100413 |
| Country spec | cific Approvals Approval | · · · | name |
| Country spec | Approval CB | · · · | name |
| Country spec | Approval CB DEKRA Certification B.V. | EN 61984 | name 71-100413 |
| Country spec | Approval CB DEKRA Certification B.V. CB DEKRA Certification B.V. | EN 61984 | name 71-100413 NL-52879 NL-47679 |
| Logo KEMA | Approval CB DEKRA Certification B.V. CB DEKRA Certification B.V. CB DEKRA Certification B.V. CB DEKRA Certification B.V. | IEC 61984 | name 71-100413 NL-52879 NL-47679 2148952.04 |
| Logo KEMA KEMA | Approval CB DEKRA Certification B.V. CB DEKRA Certification B.V. CB DEKRA Certification B.V. CB DEKRA Certification B.V. | IEC 61984 | name 71-100413 NL-52879 NL-47679 |
| Logo KEMA KEMA Ship Approve | Approval CB DEKRA Certification B.V. CB DEKRA Certification B.V. CB DEKRA Certification B.V. CCA DEKRA Certification B.V. | IEC 61984 IEC 61984 EN 60320 | name 71-100413 NL-52879 NL-47679 2148952.04 |

890-742





| UL-A | p | or | o١ | /al | s |
|------|---|----|----|-----|---|
|------|---|----|----|-----|---|

| Logo | Approval | Additional Approval Text | Certificate name |
|------------------|--|--------------------------|---------------------|
| c 711 °us | UL UL International Germany GmbH | UL 1977 | E45171 |
| c SN us | UL UL International Germany GmbH | UL 1977 | E45171 |

Compatible products

protection

| | Item no.: 890-642 Lockout cap; 2-pole; for cutouts; Plastic | 890-642 |
|-------|--|---------|
| | Item no.: 890-692 Lockout cap; 2-pole; for cutouts; Plastic | 890-692 |
| tools | | |
| | ltem no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm | 210-719 |
| | Item no.: 890-382 Operating tool; 2-way | 890-382 |

Downloads

Documentation

Bid Text

| 890-742 | Apr 4, 2012 | doc | Download |
|---------------------|-------------|---------|----------|
| WINSTA MINI 2-polig | | 23.0 kB | |

CAD/CAE - Smart Data

CAD data

| 3D Download 890-742 | URL | Download |
|---------------------|-----|----------|
|---------------------|-----|----------|

Data sheet | Item number: 890-742 890-742



Subject to changes.