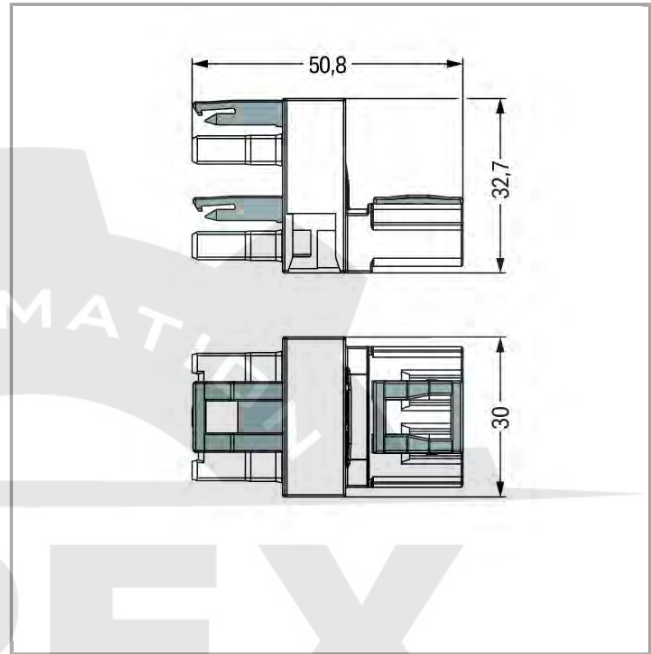


Data sheet | Item number: 770-636

h-distribution connector; 3-pole; Cod. A; 1 input; 2 outputs; outputs on one side; 3 locking levers; for flying leads



770-636



RoHS
Compliant

BOMcheck.net

Color: ■

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
- Two-wire connection per pole for loops or bridges
- Additional variable coding is possible

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 16 A and voltages up to 600 V. For further information, please contact your local sales office.

Data

Electrical data

Note on Contact Resistance

approx. 1mΩ contact resistance

approx. 0.25mΩ 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 | 25 A |

Approvals per UL 1977

| | |
|---|-------|
| Rated voltage per UL 1977 (factory wiring only) | 600 V |
| Rated current per UL 1977 (factory wiring only) | 23 A |

Connection data

| | |
|----------------------------|----------------------------|
| No. of poles | 3 |
| Total number of potentials | 3 |
| Ground function | with preceding GND contact |

Geometrical Data

| | |
|-------------|----------------------|
| Pin spacing | 10 mm / 0.394 inch |
| Width | 30 mm / 1.181 inch |
| Height | 32.7 mm / 1.287 inch |
| Depth | 51 mm / 2.008 inch |

Mechanical data

| | |
|---|---|
| Coding | A |
| 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 $I_N = 25A$, tested (4 mm²/AWG 12)

| | |
|--------------------------------|---|
| Type of distribution connector | h-distribution connector, unidirectional |
| Marking | L N |
| Protection class | IP20 |
| Note on protection class | Only in mated condition (These compact connectors are not designed for use in open, easily accessible areas.) |
| Potential marking | L N |

Plug connection

| | |
|------------------------------------|---------------|
| Contact type (pluggable connector) | Socket/plug |
| Mismatching protection | Yes |
| Locking of plug-in connection | locking lever |
| Locking lever | yes |

Material Data

| | |
|-----------------------------|---|
| Color | black |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper or copper alloy, surface-treated |
| Fire load | 0.388 MJ |
| Weight | 22.793 g |

Environmental Requirements


| | |
|---|--|
| Surrounding air (operating) temperature | -35 ... 85 °C |
| Processing temperature | -5 ... +40 °C |
| Continuous operating temperature | -35 ... +85 °C |
| Note on Continuous Service Temperature | Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|--------------------|---------------|
| Country of origin | DE |
| GTIN | 4045454251475 |
| Customs Tariff No. | 85366990990 |

Approvals / Certificates

Country specific Approvals





| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 61535 | 2173495.02 |

CCA
DEKRA Certification B.V.


IEC 61535

NL-32105

Ship Approvals


| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 14- HG1241528- PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001Z6 |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001Z6 |
|  | LR Lloyds Register | IEC 61984 | 02/20050 (E6) |

UL-Approvals



| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | cURus Underwriters Laboratories Inc. | UL 1977 | E45171 Sec. 9 |

Compatible products

assembling

| | | |
|--|---|---------|
|  | Item no.: 770-623 Mounting plate; 3-pole; for distribution connectors; Plastic | 770-623 |
|  | Item no.: 770-673 Mounting plate; 3-pole; for distribution connectors; Plastic | 770-673 |

protection

| | | |
|--|--|---------|
|  | Item no.: 770-201 Lockout cap; 12-pole, separable; 12-pole; for sockets | 770-201 |
|  | Item no.: 770-221 Lockout cap; for socket; 12-pole; separable | 770-221 |
| | Item no.: 770-360 | |



Lockout cap; for plugs; 5-pole; separable

770-360

Downloads
Documentation

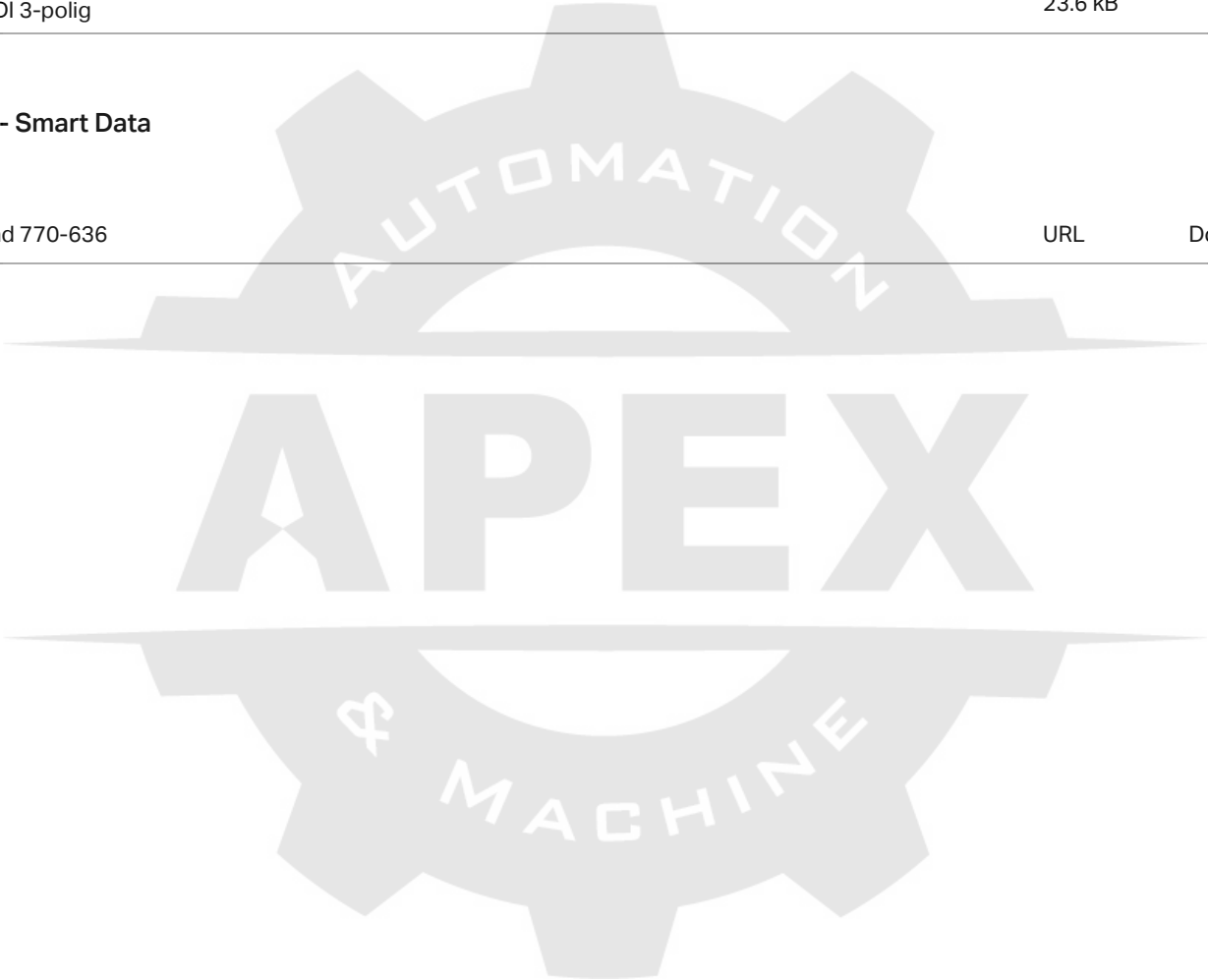
Bid Text

| | | | |
|---------------------|-------------|---------|----------|
| 770-636 | Apr 4, 2012 | doc | Download |
| WINSTA MIDI 3-polig | | 23.6 kB | |

CAD/CAE - Smart Data

CAD data

| | | |
|---------------------|-----|----------|
| 3D Download 770-636 | URL | Download |
|---------------------|-----|----------|



Subject to changes.