

### Item description

- Protected against mismatching 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
- Components can be clearly printed on and color-coded to meet custom requirements

**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
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**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**

Connection technology	Push-in CAGE CLAMP®		
Actuation type	Operating tool Push-in		
Nominal cross section	4 mm²		
Solid conductor	0.5	4 mm² / 20	12 AWG
Solid conductor, push-in termination	1.5	4 mm² / 16	12 AWG
Stranded conductor	0.5	2.5 mm² / 20	14 AWG
Fine-stranded conductor	0.5	4 mm² / 20	12 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25	1.5 mm² / 20	16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25	2.5 mm² / 20	14 AWG
Strip length	9 mm / 0.35 inch		



Note (strip length)	see also packaging or instructions
Total number of connection points	6
Total number of potentials	3
Conductor entry direction to mating direction	0°
No. of poles	3

## Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	35.5 mm / 1.398 inch
Height	17.5 mm / 0.689 inch
Depth	36 mm / 1.417 inch

## Mechanical data

Coding	B
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 $I_N = 25$ A, tested (4 mm <sup>2</sup> /AWG 12)
Gehäuseblechstärke	0.5 2 mm / 0.02 0.079 inch
Mounting type	Snap-in
Marking	I+ I-
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	I+ I-

## Plug connection

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

## Material Data

Color	pink
Insulating material	Polyamide 66 (PA 66)



Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper or copper alloy, surface-treated
Fire load	0.237 MJ
Weight	11.336 g

## Environmental Requirements


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	4050821553496
Customs Tariff No.	85366990990

## Approvals / Certificates

### Other Approvals



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

### UL-Approvals

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

## Compatible products

### tools

	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	210-719
	Item no.: 770-383 Operating tool; 3-way; green	770-383

## protection



Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

770-360



Item no.: 770-643

Lockout cap; 3-pole; for cutouts; Plastic; black

770-643



Item no.: 770-693

Lockout cap; 3-pole; for cutouts; Plastic; white

770-693

## Coding



Item no.: 770-401

Coding pin; for plugs; Plastic; gray

770-401

## Downloads

## Documentation

## Bid Text

770-793/081-000

doc  
23.6 kB

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## CAD/CAE - Smart Data

## CAD data

3D Download 770-793/081-000

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Subject to changes.