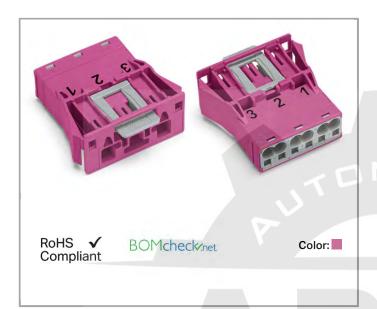
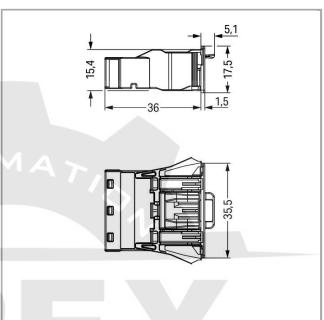
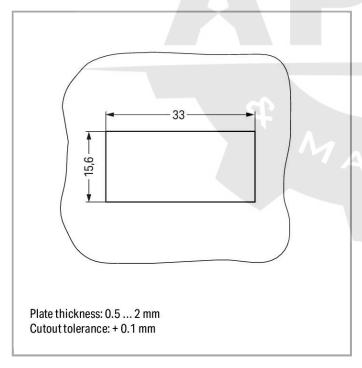
Snap-in plug; 3-pole; Cod. B; 4,00 mm2; pink

770-793_081-000









Item description

Protected against mismating and maintenance-free

-

770-793_081-000



- 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

Fle	ctr	ical	data
-10	ou.	ıvaı	uata

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	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 mm ² / 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

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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

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 $I_N = 25 \text{ A}$, tested (4 mm ² /AWG 12)
Gehäuseblechstärke Mounting type	0.5 2 mm / 0.02 0.079 inch Snap-in
0 31	
Marking	+ -
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	l+ l-

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)

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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 ℃
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

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

UL-Approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	cURus	UL 1977	E45171
. 	Underwriters Laboratories Inc.		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
1	Item no.: 770-383 Operating tool; 3-way; green	770-383

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URL

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protection

FFFFF	ltem 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
1000	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 Download 23.6 kB

CAD/CAE - Smart Data

CAD data

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Subject to changes.