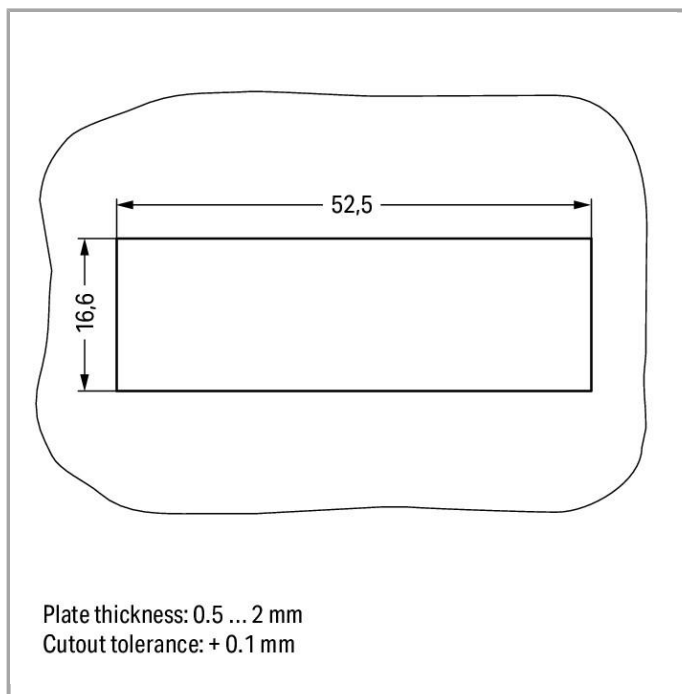
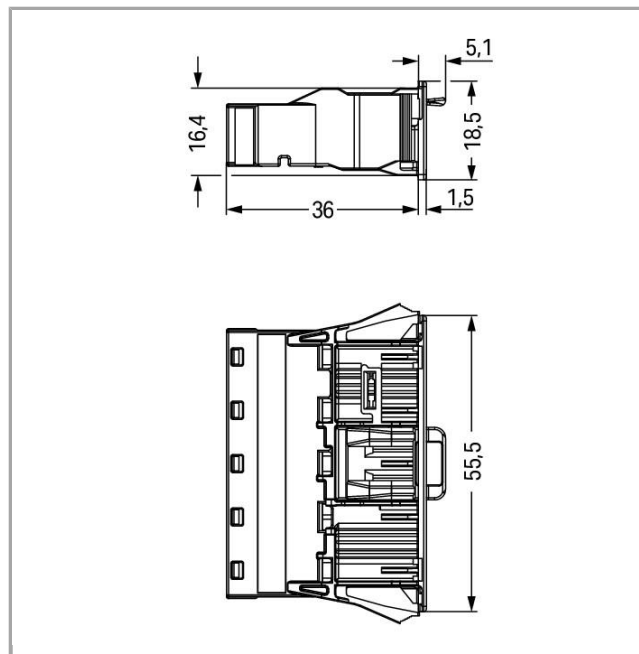
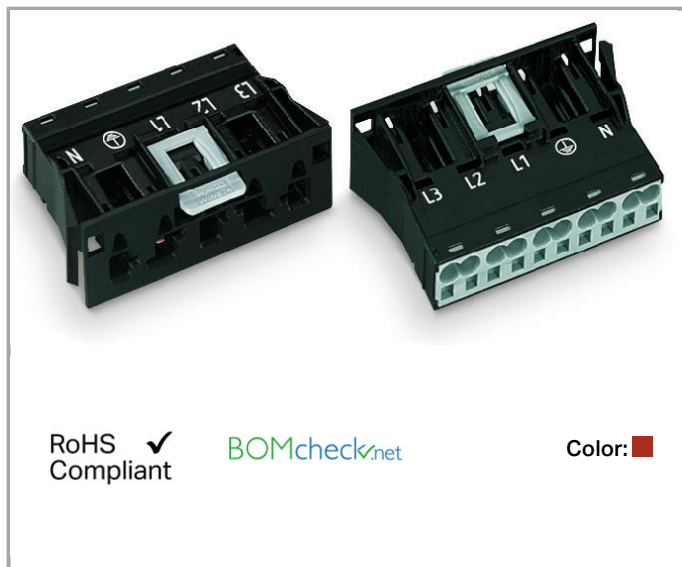


Data sheet | Item number: 770-2315

Snap-in plug; 5-pole; Cod. P; 4,00 mm²; red

770-2315



Item description

- Protected against mismatching and maintenance-free

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- 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
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Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 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 mm ²
Solid conductor	0.5 4 mm ² / 20 12 AWG
Solid conductor, push-in termination	1.5 4 mm ² / 16 12 AWG
Stranded conductor	0.5 2.5 mm ² / 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 mm ² / 20 16 AWG
Fine-stranded conductor with ferrule without plastic collar	0.25 2.5 mm ² / 20 14 AWG
Strip length	9 mm / 0.35 inch
Note (strip length)	see also packaging or instructions



Total number of connection points	10
Total number of potentials	5
Ground function	with preceding GND contact
Conductor entry direction to mating direction	0°
No. of poles	5

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	55.5 mm / 2.185 inch
Height	18.5 mm / 0.728 inch
Depth	36 mm / 1.417 inch

Mechanical data

Coding	P
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 ² /AWG 12)
Gehäuseblechstärke	0.5 2 mm / 0.02 0.079 inch
Mounting type	Snap-in
Marking	N L1 L2 L3
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	N L1 L2 L3

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	red
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	0.383 MJ
Weight	18.109 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



Product Group	20 (WINSTA)
Country of origin	DE
GTIN	4055143375894
Customs Tariff No.	85366990990

Approvals / Certificates

Radio-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

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	14- HG1241528- PDA
	CCA DEKRA Certification B.V.	EN 61535	2173495.02
	CCA DEKRA Certification B.V.	IEC 61535	NL-32105
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6






DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001Z6
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LR Lloyds Register	IEC 61984	02/20050 (E6)
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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
	LR Lloyds Register	IEC 61984	02/20050 (E6)

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

protection



Item no.: 770-360

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

770-360



Item no.: 770-645

Lockout cap; 5-pole; for cutouts; Plastic; black

770-645



Item no.: 770-695

Lockout cap; 5-pole; for cutouts; Plastic; white

770-695

Downloads

Documentation

Bid Text

770-2315

Apr 4, 2012

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CAD/CAE - Smart Data

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Subject to changes.