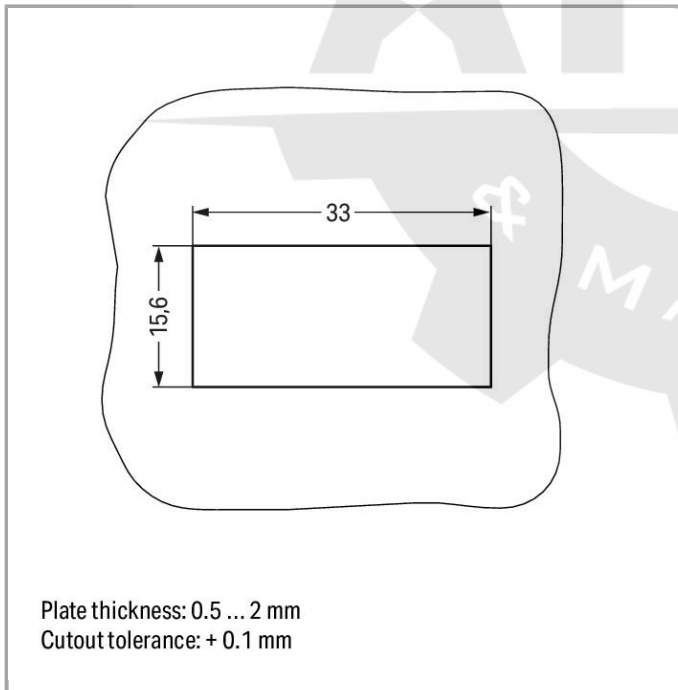
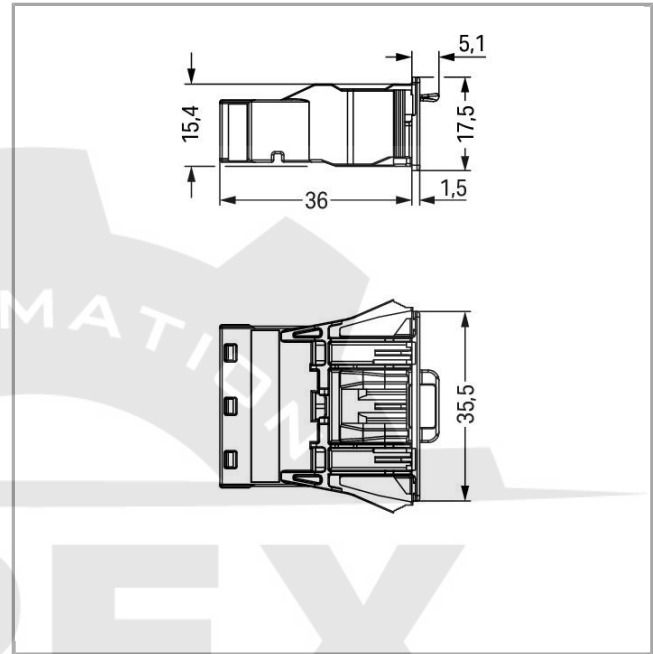
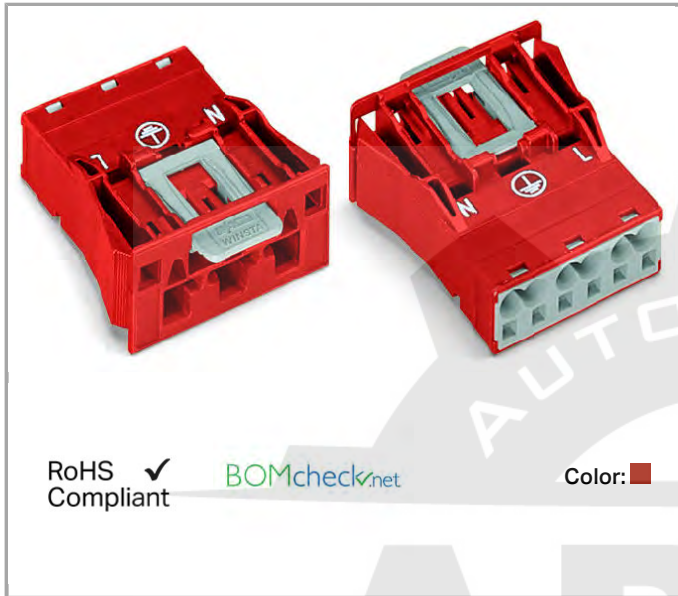




Item description

- 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

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).

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

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



No. of poles	3
Total number of connection points	6
Total number of potentials	3
Ground function	with preceding GND contact
Conductor entry direction to mating direction	0°

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	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 $I_N = 25A$, tested (4 mm ² /AWG 12)
Gehäuseblechstärke	0.5 ... 2 mm / 0.02 ... 0.079 inch
Mounting type	Snap-in
Marking	L N
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 N

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	0.25 MJ
Weight	12.1 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

Product Group	20 (WINSTA)
Country of origin	DE
GTIN	4045454396886
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA	EN 61535	2173495.02
	DEKRA Certification B.V.		
	CCA	IEC 61535	NL-32105
	DEKRA Certification B.V.		

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS	-	14-
	American Bureau of Shipping		HG1241528-PDA
	DNV GL	-	TAE00001Z6
	Det Norske Veritas, Germanischer Lloyd		
	DNV GL	-	TAE00001Z6
	Det Norske Veritas, Germanischer Lloyd		



UL-Approvals

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

Compatible products

protection

	Item no.: 770-360 Lockout cap; for plugs; 5-pole; separable	770-360
	Item no.: 770-643 Lockout cap; 3-pole; for cutouts; Plastic	770-643
	Item no.: 770-693 Lockout cap; for cutout; for cutouts; Plastic	770-693

Coding

	Item no.: 770-401 Coding pin; for plugs; Plastic	770-401
--	---	---------

tools

	Item no.: 210-720 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm	210-720
	Item no.: 770-383 Operating tool; 3-way	770-383

Downloads

Documentation

Bid Text

770-2313	Apr 4, 2012	doc 23.6 kB	Download
WINSTA MIDI 3-polig			



Subject to changes.
