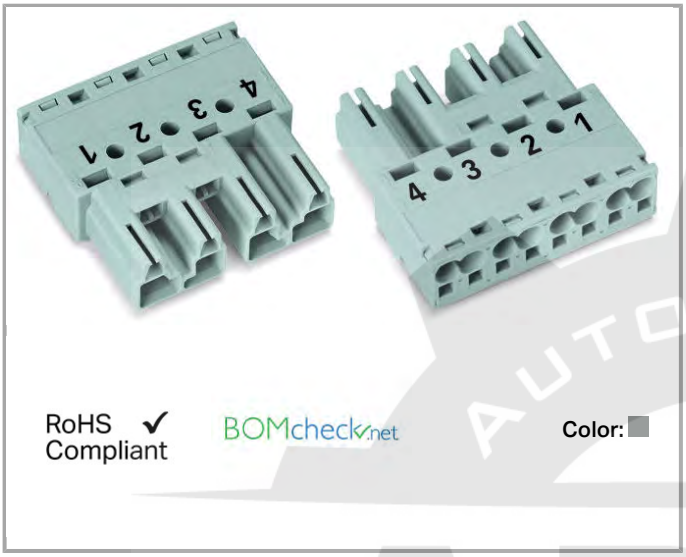
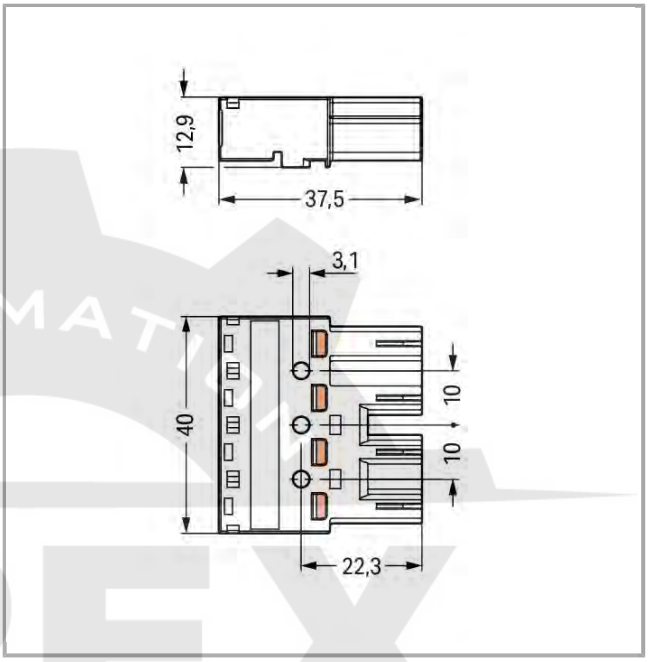
Plug; 4-pole; Cod. B

770-254





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
- 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

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 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	4
Total number of connection points	8
Total number of potentials	4
Conductor entry direction to mating direction	0 °

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	40 mm / 1.575 inch
Height	12.9 mm / 0.508 inch
Depth	37.5 mm / 1.476 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 = 25A, tested (4 mm^2/AWG 12)
Marking	1 2 3 4
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	1 2 3 4

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	no

Material Data

Color	gray
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	0.252 MJ
Weight	12.998 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	4044918253970
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	IEC 61984	NL-32104
	CCA DEKRA Certification B.V.	EN 61984	2173495.01

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

protection

	**Item no.: 770-360** Lockout cap; for plugs; 5-pole; separable	770-360

Locking lever

	**Item no.: 770-101** Locking lever; for flying leads; for manual operation	770-101
	**Item no.: 770-111** Locking lever; for flying leads; for tool operation	770-111
	**Item no.: 770-121** Locking lever; for flying leads; for manual operation	770-121
	**Item no.: 770-131** Locking lever; for flying leads; for tool operation	770-131

Strain relief plate

	**Item no.: 770-504** Strain relief housing; 4-pole; for 2 cables; 9.0 … 13.0 mm; 55 mm	770-504
	**Item no.: 770-504/023-000** Strain relief housing; 4-pole; for 2 cables; 5.0 … 9.0 mm; 55 mm	770-504
	**Item no.: 770-514** Strain relief housing; 4-pole; for 2 cables; 9.0 … 13.0 mm; 55 mm	770-514
	**Item no.: 770-514/023-000** Strain relief housing; 4-pole; for 2 cables; 5.0 … 9.0 mm; 55 mm	770-514

tools

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

Marking accessories

	**Item no.: 770-450** Marker card; Plastic	770-450
	**Item no.: 770-450/000-001** Marker card; Plastic	770-450
	**Item no.: 770-450/000-002** Marker card; Plastic	770-450
	**Item no.: 770-450/000-005** Marker card; Plastic	770-450

	**Item no.: 770-450/000-006** Marker card; Plastic	770-450 7000-006
	**Item no.: 770-450/000-012** Marker card; Plastic	770-450 7000-012

Downloads

Documentation

Bid Text

770-254 WINSTA MIDI 4-polig	Apr 4, 2012	doc 24.6 kB	Download

CAD/CAE - Smart Data

CAD data

3D Download 770-254	URL	Download

Subject to changes.