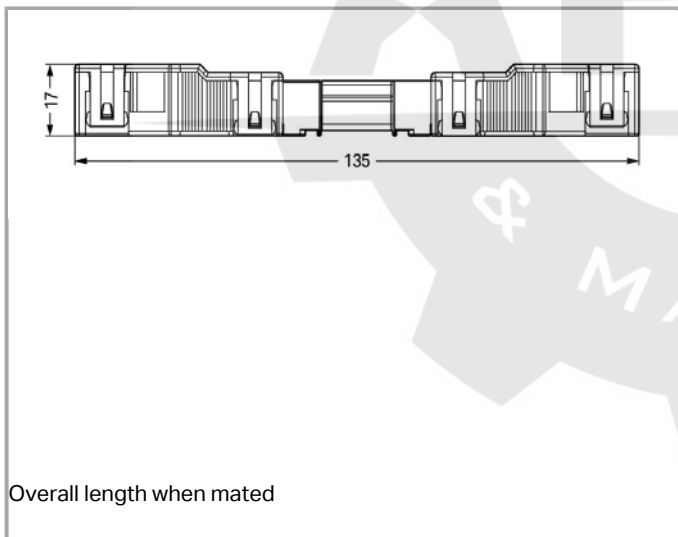
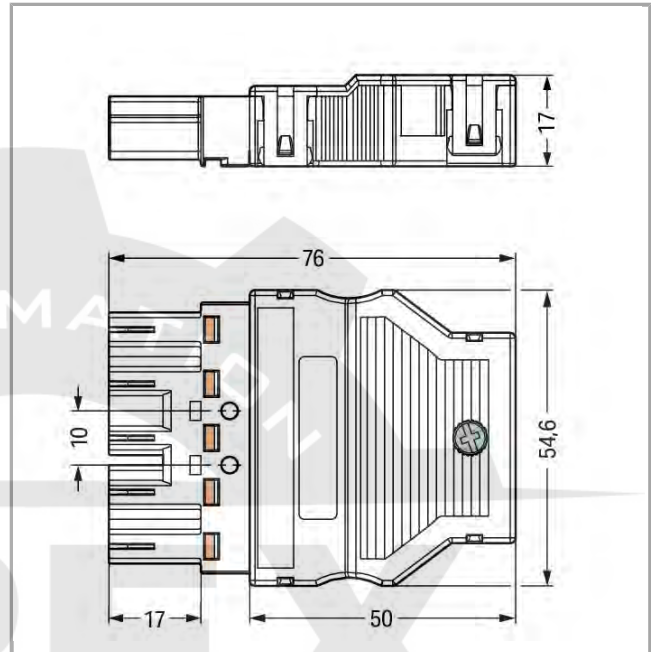
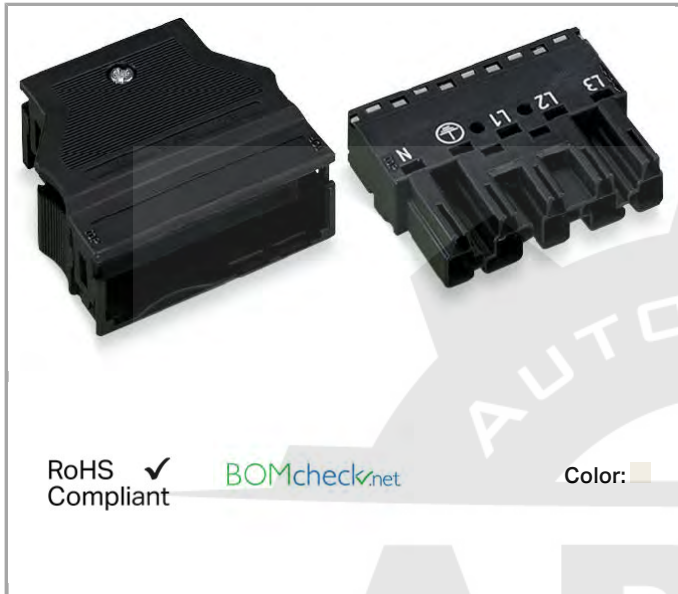


770-135



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).

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	5
Total number of connection points	10
Total number of potentials	5
Ground function	with preceding GND contact
Connectable sheathed cable diameter	9 ... 13 mm
Conductor entry direction to mating direction	0°
Strip length	55 mm

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	54.6 mm / 2.15 inch
Height	17 mm / 0.669 inch
Depth	75.9 mm / 2.988 inch

Mechanical data

Coding	A
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	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	no
Strain relief	Strain relief housing

Material Data

Color	white
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	0.675 MJ
Weight	29.484 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	4044918254502
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.		
	VDE	EN 61535	40029808
	VDE Prüf- und Zertifizierungsinstitut		

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL	-	TAE00001Z6
	Det Norske Veritas, Germanischer Lloyd		

**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**tools****Item no.: 210-720**

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

**Item no.: 770-100**

Wiring aid; for solid and stranded conductors

770-100

Marking accessories**Item no.: 770-450**

Marker card; Plastic

770-450

**Item no.: 770-450/000-001**

Marker card; Plastic

770-450

/000-001

**Item no.: 770-450/000-002**

Marker card; Plastic

770-450

/000-002

**Item no.: 770-450/000-005**

Marker card; Plastic

770-450

/000-005



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

770-450
/000-006



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

770-450
/000-012

protection



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

770-360

Coding



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

770-401

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

Downloads

Documentation

Bid Text

770-135
WINSTA MIDI 5-polig

Apr 4, 2012

doc
24.1 kB

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CAD/CAE - Smart Data

CAD data

3D Download 770-135

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Subject to changes.