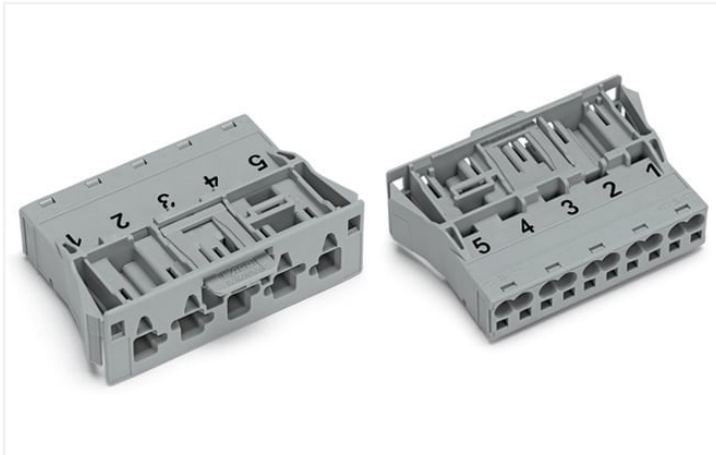
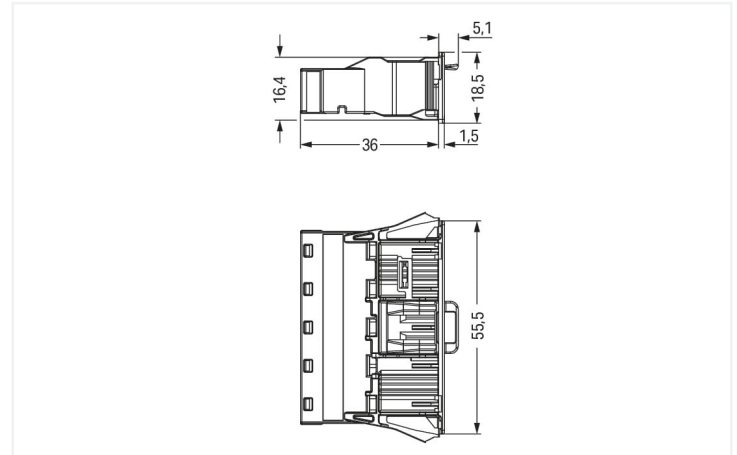
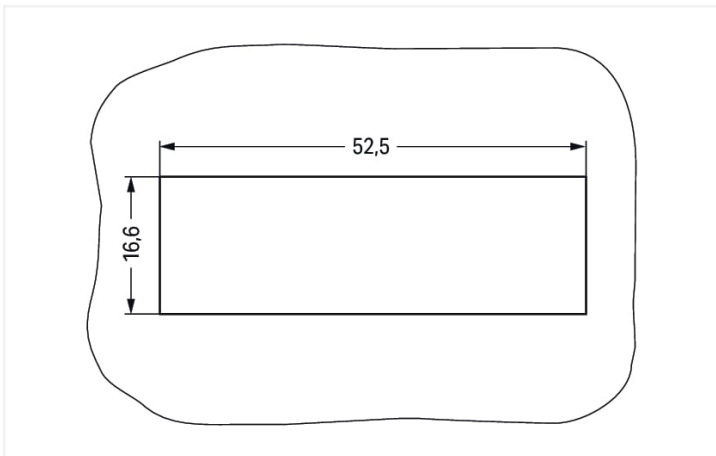




Color: ■ gray



Dimensions in mm



Dimensions in mm

Plate thickness: 0.5 ... 2 mm

Cutout tolerance: + 0.1 mm

Please note!

Male connector/plug WINSTA® MIDI 5-pole

The WINSTA® MIDI male connector/plug rated current 25 A is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology function completely without screw connections. They allow resource-efficient, error-free installation in a large number of possible uses. The mechanical coding and color coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). Pluggable installation connectors with B coding from the WINSTA® MIDI line are available in pink, light green, or gray, allowing you to distinguish different circuits, for example for pumps, lighting, or sun blinds. Your own pole marking is possible, too. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. WINSTA® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in can be found in a variety of projects you can use for quick, easy and maximally flexible installation.

WINSTA® MIDI solutions for your electrical installation – protected against mismatching and maintenance-free

The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, more reliable, and error-free. Use of this pre-assembled system decreases assembly times and installation errors at the construction site. Now you can also lower installation costs without compromising quality and safety: with protection type IP20 reduces the need for servicing and prevents unnecessary downtime.

- protection against mismatching eliminates errors
- simple circuits
- with B coding for use in automation of processes, such as lighting technology, among other examples
- ready to install and use immediately
- quick replacement of defective units during ongoing operation



Notes	
Note	The snap-in connectors must be relieved of tensile and transverse forces. A surface finish can influence the edge radius of the cutouts. This may affect the snap-in socket fit, so ensure an adequate fit before use. In addition, the punched edge should be on the inside for punched cutouts. The wings of the snap-in connectors must not be mechanically stressed for a long period before use (e.g., due to a pre-locking position).
Variants:	Other pole markings Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		400 V	-	-
Rated surge voltage		6 kV	-	-
Rated current		25 A	-	-
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		23 A		
General information				
Note on contact resistance		approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket		

Connection data																														
Connection points	10	<table><tr><th colspan="2">Connection 1</th></tr><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool Push-in</td></tr><tr><td>Nominal cross-section</td><td>4 mm² / 12 AWG</td></tr><tr><td>Solid conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Solid conductor; push-in termination</td><td>1.5 ... 4 mm² / 16 ... 12 AWG</td></tr><tr><td>Stranded conductor</td><td>0.5 ... 2.5 mm² / 20 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 1.5 mm² / 20 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 2.5 mm² / 20 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor; with ferrule; push-in termination</td><td>1.5 mm² / 16 AWG</td></tr><tr><td>Strip length</td><td>9 mm / 0.35 inches</td></tr><tr><td>Pole number</td><td>5</td></tr><tr><td>Conductor entry direction to mating direction</td><td>0 °</td></tr></table>	Connection 1		Connection technology	Push-in CAGE CLAMP®	Actuation type	Operating tool Push-in	Nominal cross-section	4 mm² / 12 AWG	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 insulated ferrule	0.25 ... 1.5 mm² / 20 ... 16 AWG	Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm² / 20 ... 14 AWG	Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG	Strip length	9 mm / 0.35 inches	Pole number	5	Conductor entry direction to mating direction	0 °
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Total number of potentials	5																													

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	55.5 mm / 2.185 inches
Height	18.5 mm / 0.728 inches
Depth	41.1 mm / 1.618 inches

Mechanical data

Application	Control technology
Coding	B
Variable coding	Yes
Marking	5 4 3 2 1
Potential marking	5 4 3 2 1
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	Locked: > 80 N
Unmating force of a plug-in connection	Unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Housing sheet thickness	0.5 ... 2 mm / 0.02 ... 0.079 inches
Mounting type	Snap-in flange
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All <i>WINSTA</i> ® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole
Locking lever	Yes
Locking of plug-in connection	Locking lever
Note on locking system	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).

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.522 MJ
Weight	18 g

Environmental requirements

Processing temperature	-5 ... +40 °C
Continuous operating temperature	-35 ... +85 °C
Note on continuous operating temperature	Insulating parts for temperatures ≤ 105 °C



Commercial data		
Product Group	20 (Winsta)	
eCl@ss 10.0	27-44-06-02	
eCl@ss 9.0	27-44-06-02	
ETIM 8.0	EC002566	
ETIM 7.0	EC002566	
PU (SPU)	50 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4055143594356	
Customs tariff number	85366990990	

Environmental Product Compliance		
RoHS Compliance Status	Compliant, No Exemption	

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	IEC 61984	NL-32104	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 61984	2173495.01	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
cURus Underwriters Laboratories Inc.	UL 1977	E45171			

Approvals for marine applications

		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1868589-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001Z6
LR Lloyds Register	IEC 61984	LR22429487TA



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-755

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Documentation

Bid Text				
770-755	19.02.2019	xml	2.92 KB	Download icon
770-755	08.06.2015	doc	23.50 KB	Download icon

CAD/CAE-Data

CAD data

2D/3D Models 770-755

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CAE data

EPLAN Data Portal 770-755

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WSCAD Universe 770-755

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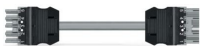
ZUKEN Portal 770-755

Download icon

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9995/105-103
pre-assembled connecting cable; Eca; Socket/open-ended; 5-pole; Cod. B; 1 m; 1,00 mm²; gray

Item No.: 771-9995/005-103
pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. B; 1 m; 1,00 mm²; gray

1.1.2 Female connector/socket

Item No.: 770-245
Socket; 5-pole; Cod. B; 4,00 mm²; gray

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-645
Lockout cap; 5-pole; for cutouts; Plastic; black



Item No.: 770-695
Lockout cap; 5-pole; for cutouts; Plastic; white



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

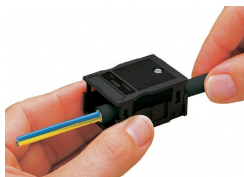
1.2.2 Tool

1.2.2.1 Operating tool

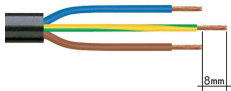


Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

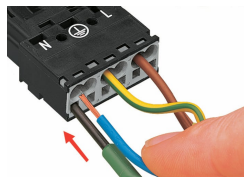
Installation Notes



We recommend pulling the pre-latched strain relief housing over the cable prior to termination. However, the strain relief can be mounted at a later time as well.



1. Strip length, outer insulation = 35 mm (2-pole), 55 mm (3- to 5-pole)
2. Strip length = 9 mm
3. Extended ground conductor = 8 mm



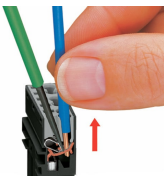
To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



Insert the stripped solid conductor until it hits the backstop.



To terminate fine-stranded conductors, open the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor until it hits the backstop.



To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor.