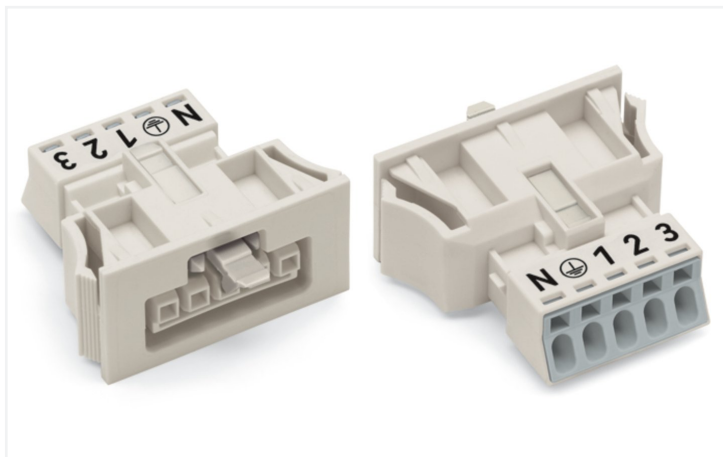
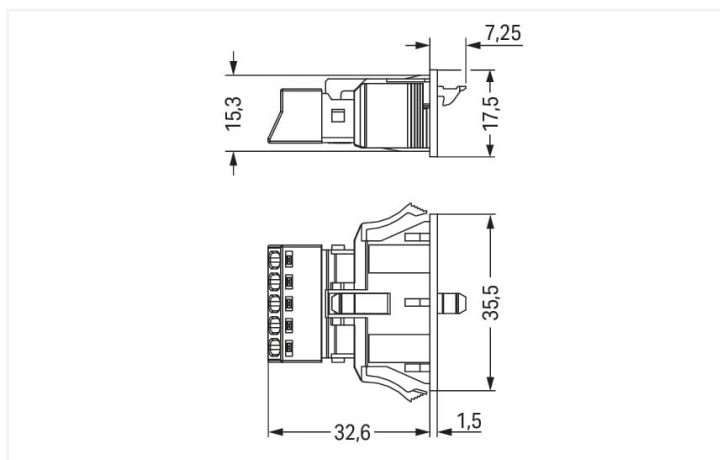
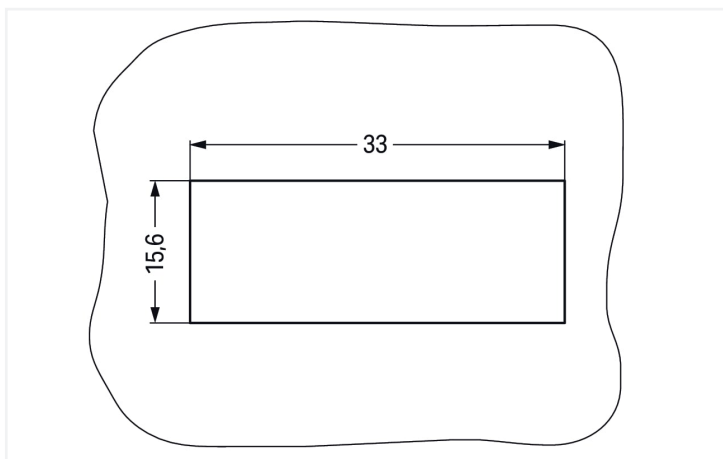




Color: ■ white



Dimensions in mm



Dimensions in mm
Plate thickness: 0.5 ... 2 mm
Cutout tolerance: + 0.1 mm

Please note!

Female connector/socket WINSTA® MINI rated current 13 A

The WINSTA® MINI female connector/socket rated current 13 A is the pluggable solution for your use in control cabinets, for lighting connections or on PCBs. WAGO pluggable installation connectors can be used when criteria repeat or are distributed on a specific pattern, for example for installing grid lighting or flush-mount lighting. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. The pluggable installation connector offers protection against contact with tools or wires if they are smaller than 1 mm in accordance with protection type IP40. General mains applications for almost any domain of use can be realised with WINSTA® MINI pluggable installation connectors with A coding. Particularly if only limited space is available, our smallest pluggable connection system, WINSTA® MINI, conveniently displays its strengths. It saves space, and, with Push-in CAGE CLAMP® spring pressure connection technology, it also can be installed quickly, since the connection is low-maintenance and requires no screw connections.

Lower costs through fast commissioning and elimination of service expenses – solutions from WINSTA® MINI

The WINSTA® Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Using this pre-assembled system reduces assembly times and errors during installation at the construction site. Choose durability and quality – with locking lever from WAGO makes the electrical installation of electrical components substantially easier.

- protection against mismating eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for a large number of applications
- custom-engineered solutions
- 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).

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	13 A	-	-	-

Approvals per		UL 1977
Rated voltage		600 V
Rated current		12 A

General information	
Note on contact resistance	approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket

Connection data		
Clamping units	5	
Total number of potentials	5	

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	1.5 mm² / 16 AWG
Solid conductor	0.25 ... 1.5 mm² / 22 ... 16 AWG
Solid conductor; push-in termination	0.75 ... 1.5 mm² / 20 ... 16 AWG
Stranded conductor	0.25 ... 1 mm² / 22 ... 18 AWG
Fine-stranded conductor	0.25 ... 1.5 mm² / 22 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG

Connection 1

Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.75 mm ² / 22 ... 20 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.75 mm ² / 20 AWG
Strip length	9 mm / 0.35 inches
Pole number	5
Conductor entry direction to mating direction	0 °

Physical data

Pin spacing	4.4 mm / 0.173 inches
Width	35.5 mm / 1.398 inches
Height	17.5 mm / 0.689 inches
Depth	39.85 mm / 1.569 inches

Mechanical data

Use	General mains applications
Coding	A
Variable coding	No
Marking	N ⊕ 1 2 3
Potential marking	N ⊕ 1 2 3
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	IP40

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
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		white
Cover color		gray
Material group		I
Insulation material (main housing)		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		0.261 MJ
Weight		9 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 9.0		EC002566
ETIM 8.0		EC002566
PU (SPU)		50 (50) pcs
Packaging type		Box
Country of origin		PL
GTIN		4045454233525
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.	EN 61535	71-123231	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	IEC 61535	NL-85020	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	Steel Vessel Rules	19-HG1869855-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001Z6
LR Lloyds Register	EN 61535	08/20047 (E2)

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 890-725



Documentation

Bid Text			
890-725	19.02.2019	xml 2.89 KB	
890-725	08.06.2015	doc 23.00 KB	



CAD/CAE-Data

CAD data
2D/3D Models 890-725



CAE data
EPLAN Data Portal 890-725
WSCAD Universe 890-725
ZUKEN Portal 890-725



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 891-8995/206-102 pre-assembled connecting cable; Eca; Plug/open-ended; 5-pole; Cod. A; H05VV- F 5G 1.5 mm²; 1 m; 1,50 mm²; white	Item No.: 891-8995/006-102 pre-assembled interconnecting cable; Eca; Socket/plug; 5-pole; Cod. A; H05VV- F 5G 1.5 mm²; 1 m; 1,50 mm²; white
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1.1.2 Male connector/plug



Item No.: 890-235 Plug; 5-pole; Cod. A; 1,50 mm ² ; white	Item No.: 890-135 Plug; with strain relief housing; 5-pole; 1,50 mm ² ; white
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1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-643 Lockout cap; 3-pole; for cutouts; Plastic; black	Item No.: 770-693 Lockout cap; 3-pole; for cutouts; Plastic; white
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1.2.2 Tool

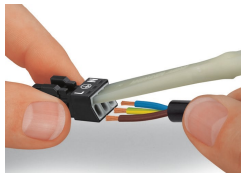
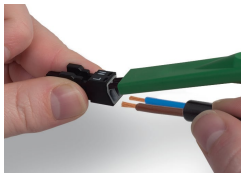
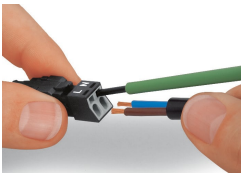
1.2.2.1 Operating tool



Item No.: 890-385 Operating tool; 5-way; green	Item No.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft
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Installation Notes

Conductor termination



1. Strip length, outer insulation = 30 mm (2-pole), 37 mm (3-pole), 45 mm (4- and 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. Terminate solid conductors by simply pushing them in.	To terminate fine-stranded conductors, open clamping units via operating tool (890-382) and insert stripped conductors until they hit backstop. Terminate solid conductors by simply pushing them in.	
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