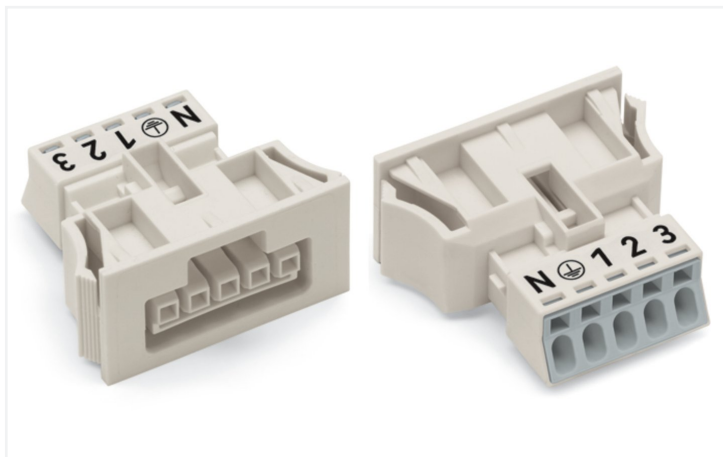


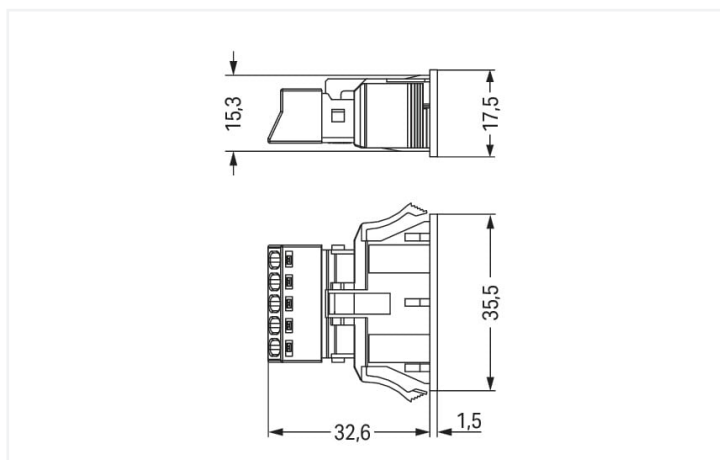
Data Sheet | Item Number: 890-725/006-000

Snap-in socket; without locking lever; 5-pole; Cod. A; 1,50 mm²; white

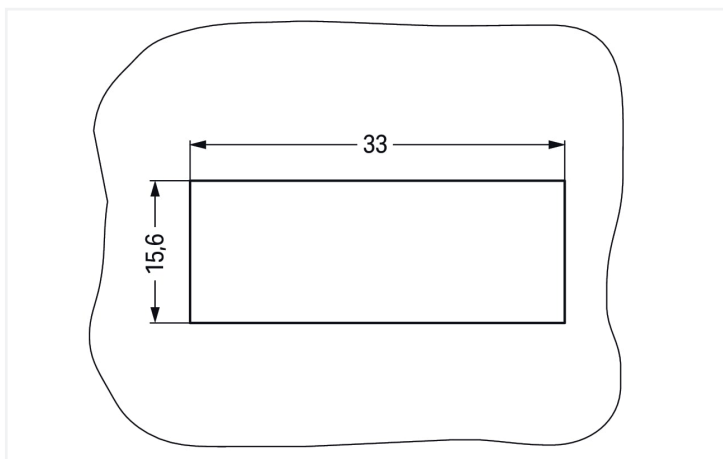
<https://www.wago.com/890-725/006-000>



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 A coding

The WINSTA® MINI female connector/socket with protection against mismating is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. WAGO pluggable installation connectors are useful when criteria repeat or are distributed on a defined pattern, for example for installing grid lighting or flush-mount lighting. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. The pluggable installation connector offers protection against contact with wires or tools if they are smaller than 1 mm in accordance with protection type IP40. The WINSTA® MINI pluggable installation connector with A coding in black or white is normally used for general mains applications in power distribution. WINSTA® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is primarily suited for lights, for example, since due to LED technology, these offer much less space for the connection technology.

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

The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, more reliable, and error-free. Use of this pre-assembled system reduces time spent on assembly and installation errors at the construction site. Now you can also reduce installation costs without compromising safety and quality: with marking reduces the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- consistent IP40 protection
- for any mains application
- custom-engineered solutions
- rapid, structured electrical installation

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		Approvals per		UL 1977	
Overvoltage category		III	III	II	Rated voltage	600 V	
Pollution degree		3	2	2	Rated current	12 A	
Nominal voltage	400 V	-	-	-			
Rated surge voltage	6 kV	-	-	-			
Rated current	13 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	Connection 1 <table><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>1.5 mm² / 16 AWG</td></tr><tr><td>Solid conductor</td><td>0.25 ... 1.5 mm² / 22 ... 16 AWG</td></tr><tr><td>Solid conductor; push-in termination</td><td>0.75 ... 1.5 mm² / 20 ... 16 AWG</td></tr><tr><td>Stranded conductor</td><td>0.25 ... 1 mm² / 22 ... 18 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.25 ... 1.5 mm² / 22 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 0.75 mm² / 22 ... 20 AWG</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 0.75 mm² / 22 ... 20 AWG</td></tr></table>	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	Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG
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Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.75 mm² / 22 ... 20 AWG																			
Total number of potentials	5																			

Connection 1

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	34.1 mm / 1.343 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
Suitable	for lighting installation with intermediate coupler

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	Yes
Note on mismating protection	All WINSTA® 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	No
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	0.247 MJ
Weight	8.6 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	
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 (25) pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821312277
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
CCA DEKRA Certification B.V.	EN 61535	71-123231
CCA DEKRA Certification B.V.	IEC 61535	NL-85020
Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

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
890-725/006-000

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Documentation

Bid Text			
890-725/006-000	19.02.2019	xml 3.02 KB	↓
890-725/006-000	08.06.2015	doc 23.50 KB	↓

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 890-725/006-000	WSCAD Universe 890-725/006-000
↓	↓
	ZUKEN Portal 890-725/006-000
	↓

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

1.1.2 Distribution connector

Item No.: 890-655
Intermediate coupler; 5-pole; Cod. A; for sockets and plugs; white

1.1.3 Male connector/plug

Item No.: 890-235
Plug; 5-pole; Cod. A; 1,50 mm²; white

Item No.: 890-135
Plug; with strain relief housing; 5-pole; 1,50 mm²; white

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

1.2.2 Tool

1.2.2.1 Operating tool



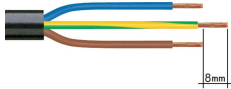
Item No.: 890-385
Operating tool; 5-way; green



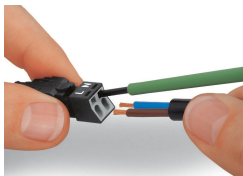
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Installation Notes

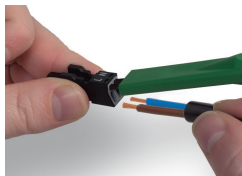
Conductor termination



- 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.

