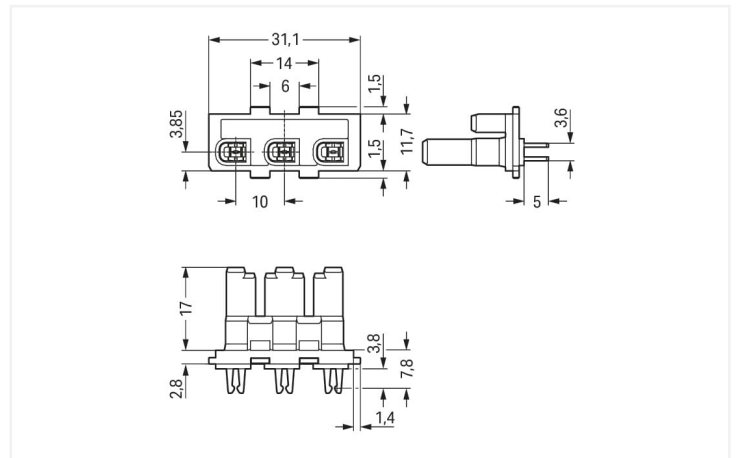
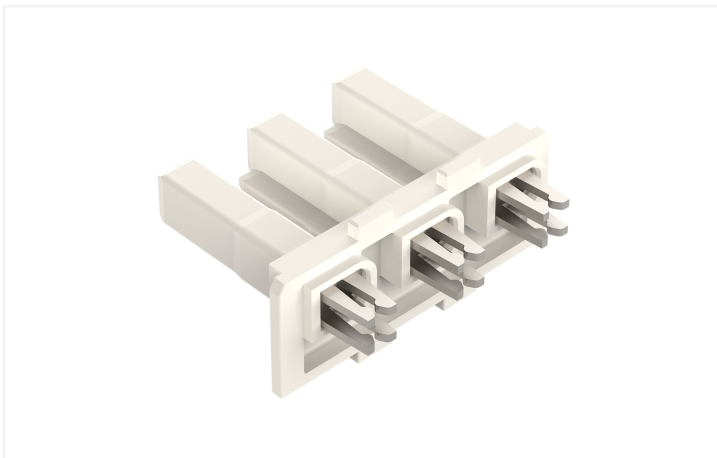
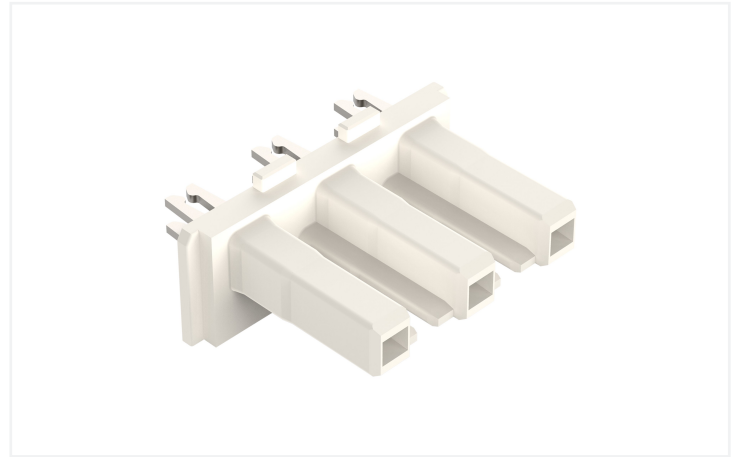




Color: ■ white



Dimensions in mm

Female connector/socket WINSTA® MIDI rated current 25 A

The WINSTA® MIDI female connector/socket rated current 25 A is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to an enormous variety of requirements in seconds. The coding options reduce installation errors, allowing fast, maintenance-free wiring of all components. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20. Standard mains applications for almost any domain of use can be realised with WINSTA® MIDI pluggable installation connectors with A coding. The rated current and voltage are important criteria for selecting a pluggable installation connector: They provide information about possible domains of use and applications. This product has a current rating of 25 A – therefore it is also suitable for powerful 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, flexible, and secure installation.

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

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Now you can also lower installation expenses without compromising safety and quality: The WINSTA® MIDI pluggable installation connector with protection type IP20 eliminates the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- pre-assembled versions
- with A coding for use in many general mains applications
- custom-engineered solutions
- convenient installation and commissioning



Notes	
Safety information	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.

Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	250 V	-	-	
Rated surge voltage	4 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		
Total number of potentials	3	

Connection 1	
Pole number	3

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	31.1 mm / 1.224 inches
Height	24.8 mm / 0.976 inches
Depth	14.65 mm / 0.577 inches

Mechanical data	
Application	General mains applications
Coding	A
Variable coding	No
Marking	plain
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
Protection type	IP20

Plug-in connection	
Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for current bar
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	No
Locking of plug-in connection	Locking lever

Plug-in connection	
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
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	0.058 MJ
Weight	4 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)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454223137
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	Certificate Name
Approval	Standard	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	-	-
CCA DEKRA Certification B.V.	IEC 61535	-	-



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	-,Steel Vessel Rules; Ma- nuf. Ass.	TAE00001Z6
LR Lloyds Register	IEC 61984	LR22429487TA

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 770-428



Documentation

Bid Text			
770-428	19.02.2019	xml 2.71 KB	
770-428	04.12.2014	doc 22.50 KB	



CAD/CAE-Data

CAD data
2D/3D Models 770-428



CAE data
EPLAN Data Portal 770-428
WSCAD Universe 770-428
ZUKEN Portal 770-428



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9993/206-102 pre-assembled connecting cable; Eca; Plug/open-ended; 3-pole; Cod. A; H05VV- F 3G 1.5 mm²; 1 m; 1,50 mm²; white	Item No.: 771-9993/006-102 pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. A; H05VV- F 3G 1.5 mm²; 1 m; 1,50 mm²; white
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1.1.2 Male connector/plug



Item No.: 770-438
Device connector; 3-pole; Cod. A; Plug module with locking lever; white

1.2 Required Accessories

1.2.1 Cover

1.2.1.1 Cover

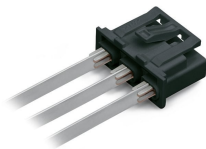


Item No.: 770-201
Lockout cap; 12-pole, separable; for sockets; Plastic; black



Item No.: 770-221
Lockout cap; 12-pole, separable; for sockets; Plastic; white

Installation Notes



Device connectors can be cost-effectively installed in appropriate guide slots of a housing. Internal electrical connection is performed by contacting the 0.8 mm thick current bars.