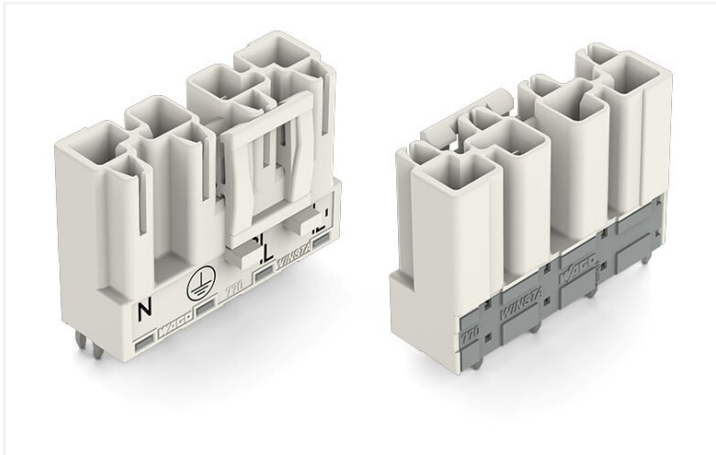
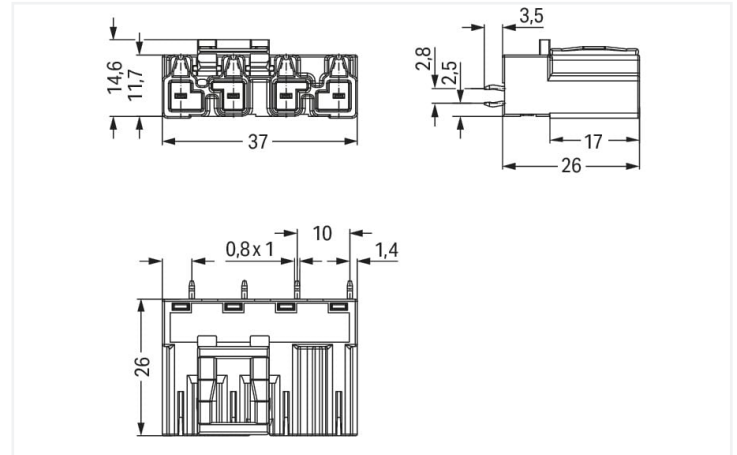
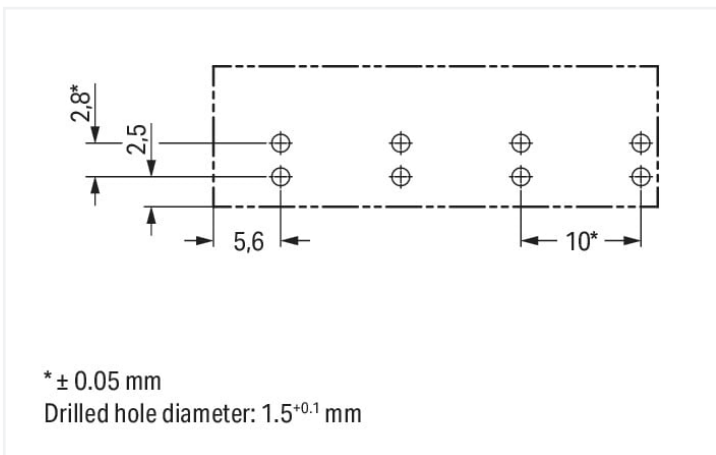




Color: ■ white



Dimensions in mm



Dimensions in mm

Male connector/plug WINSTA® MIDI A coding

The WINSTA® MIDI male connector/plug rated current 25 A offers secure, easy handling to support control and drive technology tasks. Our large number of pluggable PCB connectors with different insertion directions and operating variants offers you the perfect solution for your application at any time. The color coding and mechanical coding of the pcb connector ensure error-free installation of the individual components – including protection against mismatching. The WINSTA® MIDI pcb connector with A coding in white or black is usually used for general mains applications in power distribution. This pcb connector can be used for electrical currents up to 25 A. Thus the product is ideally suitable for high power loads. Our WINSTA® MIDI product line offers maximum flexibility for the installation. Through its Push-in CAGE CLAMP® spring pressure connection technology, it achieves error-free, time-saving installation and offers customization for meeting various installation requirements.

Push-in CAGE CLAMP® spring pressure connection technology – pluggable installation instead of laborious screw connections!

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This significantly reduces the need for servicing and lowers costs. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pcb connectors with marking from WAGO.

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



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	23 A
Nominal voltage	400 V	-	-		
Rated surge voltage	6 kV	-	-		
Rated current	25 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	4	Connection 1	
Number of levels	1	Pole number	4
PE function	Preceding PE contact		

Physical data

Pin spacing	10 mm / 0.394 inches
Width	37 mm / 1.457 inches
Height	29.5 mm / 1.161 inches
Height from the surface	26 mm / 1.024 inches
Depth	14.6 mm / 0.575 inches
Solder pin length	3.5 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter with tolerance	1.5 (+0.1 ... +0.1) mm

Mechanical data

Application	General mains applications
Coding	A
Variable coding	Yes
Marking	1/L' 2/L N
Potential marking	1/L' 2/L N
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
Design	straight

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
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
Mating direction to the PCB	90 °
Locking lever	Yes
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).
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PCB contact

PCB contact	THT
Solder pin arrangement	2 in-line solder pins/pole
Number of solder pins per potential	2

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	0.276 MJ
Weight	11.7 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	27-44-06-05
eCl@ss 9.0	27-44-06-05
ETIM 8.0	EC002560
ETIM 7.0	EC002560
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918511568
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61535	71-123228
CCA DEKRA Certification B.V.	IEC 61535	NL -84761
cULus Underwriters Laboratories Inc.	UL 1977	E45171

Declarations of conformity and manufacturer's declarations

ApprovalStandardCertificate Name

EU-Declaration of Confor-
mity
WAGO GmbH & Co. KG

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 770-834



CAD/CAE-Data

CAD data

2D/3D Models 770-834



CAE data

EPLAN Data Portal
770-834



ZUKEN Portal 770-834



1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly



Item No.: 771-9994/106-102
pre-assembled connecting cable; Eca;
Socket/open-ended; 4-pole; Cod. A;
H05VV-F 4G 1.5 mm²; 1 m; 1,50 mm²; white

Item No.: 771-9994/006-102
pre-assembled interconnecting cable;
Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 1 m; 1,50 mm²; white

1.1.2 Female connector/socket



Item No.: 770-224
Socket; 4-pole; Cod. A; 4,00 mm²; white

Item No.: 770-124
Socket; with strain relief housing; 4-pole;
Cod. A; 4,00 mm²; white

1.2 Required Accessories

1.2.1 Cover

1.2.1.1 Cover



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

1.3 Optional Accessories

1.3.1 Coding

1.3.1.1 Coding



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