Snap-in socket; 4-pole; Cod. A; 4,00 mm²; black

www.wago.com/770-704



	I .
Color:	

Subject to changes. Please also observe the further product documentation!

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I)ım	ensior	ne in	mm
ייייט	CHOIOI	13 11 1	

Plate thickness: 0.5 ... 2 mm

Cutout tolerance: + 0.1 mm

Please note!

Item description

Female connector/socket WINSTA® MIDI with protection type IP20

The WINSTA® MIDI female connector/socket with protection against mismating supports rapid, correct installation. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to a huge variety of

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requirements in no time flat. For greater security in electrical installations, the pluggable installation connector is provided with mechanical protection against mismating. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). That results in the fact that users' fingers will never come into contact with live elements. Thanks to the color coding and mechanical A coding of WINSTA® MIDI pluggable installation connectors, you can clearly distinguish different circuits. This pluggable installation connector can be used for a current load of up to 25 A. Therefore, it can also be used for high power loads. The WINSTA® MIDI product line allows total flexibility for the installation of applications. Through its Push-in CAGE CLAMP® spring pressure connection technology, it achieves time-saving, error-free installation and offers customization and flexibility for meeting all installation requirements.

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

WINSTA® is the pluggable connection system that is perfectly tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Enjoy the benefits of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with WINSTA® MIDI pluggable installation connectors with locking lever from WAGO.

- pluggable installation connectors with protection against mismating
- simple circuits
- with A coding for use in many general mains applications
- flexible installation to save space
- convenient installation and commissioning

Data 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

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	400 V

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Rated impulse voltage (III/3)	6 kV
Rated current	25 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL 1977

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.
600 V
23 A

General information

Note on contact resistance	approx. This of contact resistance
	approx. 0.25 m Ω contact transition plug/socket

Connection data

Connection points	8
Total number of potentials	4

Connection 1

ng tool
12 AWG
mm² / 20 12 AWG
mm² / 16 12 AWG
5 mm² / 20 14 AWG
mm² / 20 12 AWG
1.5 mm² / 20 16 AWG
2.5 mm² / 20 14 AWG
? / 16 AWG
0.35 inches
1

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Physical data

Pin spacing	10 mm / 0.394 inches
Width	45.5 mm / 1.791 inches
Height	18.5 mm / 0.728 inches
Depth	37.5 mm / 1.476 inches

Mechanical Data

Application	General mains applications
Coding	A
Variable coding	Yes
Marking	N
Potential marking	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
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)	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	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

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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	black
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	0.211 MJ
Weight	15.7 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

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 4044918252584 Customs tariff number 85366990990	Product Group	20 (Winsta)
ETIM 8.0 EC002566 ETIM 7.0 EC002566 PU (SPU) 100 pcs Packaging type box Country of origin DE GTIN 4044918252584	eCl@ss 10.0	27-44-06-02
ETIM 7.0 EC002566 PU (SPU) 100 pcs Packaging type box Country of origin DE GTIN 4044918252584	eCl@ss 9.0	27-44-06-02
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Country of origin DE GTIN 4044918252584	PU (SPU)	100 pcs
GTIN 4044918252584	Packaging type	box
	Country of origin	DE
Customs tariff number 85366990990	GTIN	4044918252584
	Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

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Approvals / Certificates

General approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	CCA	EN 61535	71-
	DEKRA Certification B.V.		123228
	CCA	IEC 61535	NL -84761
	DEKRA Certification B.V.		
	cURus	UL 1977	E45171
	Underwriters Laboratories Inc.		
	cURus	UL 1059	E 45172
	Underwriters Laboratories Inc.		

Declarations of conformity and manufacturer's declarations

			Certificate
Logo	Approval	Additional Approval Text	name
	EU-Declaration of Conformity	-	-
	WAGO GmbH & Co. KG		

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS	-	19-
	American Bureau of Shipping		HG1868589- PDA
	DNV GL	-	TAE00001Z6
	Det Norske Veritas, Germanischer Lloyd		
	LR	IEC 61984	LR22429487TA
	Lloyds Register		

Counterpart

Item no.770-114 Plug; with strain relief housing; 4-pole; Cod. A; 4,00 mm²; black	www.wago.com/770-114
Item no.771-9994/006-101 pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 1 1,50 mm²; black	www.wago.com/771-9994 m; /006-101
ltem no.770-214 Plug; 4-pole; Cod. A; 4,00 mm²; black	www.wago.com/770-214
ltem no.771-9994/206-101 pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 1 1,50 mm²; black	m; www.wago.com/771-9994 m; /206-101

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Optional accessories

Cover		
	Item no.: 770-694	
	Lockout cap; 4-pole; for cutouts; Plastic; white	www.wago.com/770-694
	Item no.: 770-644	
	Lockout cap; 4-pole; for cutouts; Plastic; black	www.wago.com/770-644
	Item no.: 770-201	
	Lockout cap; 12-pole, separable; for sockets; Plastic; black	www.wago.com/770-201
	Item no.: 770-221	
	Lockout cap; 12-pole, separable; for sockets; Plastic; white	www.wago.com/770-221
Tool		
Operatir	ng tool	
	Item no.: 210-719	WWW.WOOD 00 1010 710
	Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-719

Downloads Documentation

Bid Text

770-704 X81 - Datei	2019 年2月19日	xml 3.0 kB	Download
770-704 doc - Datei	2015 年6月8日	doc 23.6 kB	Download

CAD/CAE-Data

2D/3D Models 770-704

CAD data

CAE data		
EPLAN Data Portal 770-704	URL	Download
WSCAD Universe 770-704	URL	Download
ZUKEN Portal 770-704	URL	Download

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URL

Download

www.wago.com/770-704



Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-704 URL Download Snap-in socket; 4-pole; Cod. A; 4,00 mm²; black

Installation Notes Conductor termination 1. Strip length, outer insulation = 35 mm (2-To terminate fine-stranded conductors, open pole), 55 mm (3- to 5-pole) the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor 2. Strip length = 9 mm until it hits the backstop. 3. Extended ground conductor = 8 mm Insert the stripped solid conductor until it hits To terminate fine-stranded conductors, open the backstop. the clamping unit via screwdriver (2.5 mm blade width) and insert a stripped conductor

until it hits the backstop.

Conductor removal

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To remove the conductor, actuate the clamp via screwdriver (2.5 mm blade width) and pull out the conductor. Seal unused cutout with lockout cap. Product family

Data sheet | Item number: 770-704



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WINSTA® MIDI

Show all products from the family

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