Data Sheet | Item Number: 770-653
Intermediate coupler; 3-pole; Cod. A; for sockets and plugs; white
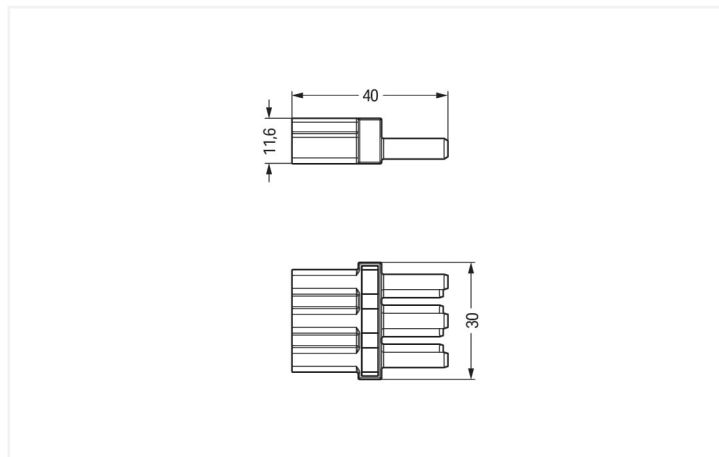https://www.wago.com/770-653

Color: ☐ white

Dimensions in mm

Distribution connector *WINSTA*® MIDI 3-pole

For signal and power transmission: The *WINSTA*® MIDI distribution connector with protection type IP20. WAGO pluggable installation connectors are useful when requirements repeat or are planned on a defined grid, for example for installing grid lighting or flush-mount lighting. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismating. The pluggable installation connector offers touch-proof protection with live components in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). The *WINSTA*® MIDI pluggable installation connector with A coding in black or white is usually used for general mains applications in power distribution. This pluggable installation connector can be used for electrical currents up to 25 A. Thus the product is especially suitable for high power loads. *WINSTA*® MIDI with Push-in CAGE CLAMP® spring pressure connection technology is found in a broad range of individual products you can use for quick, easy, secure, tailored electrical installation.

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

WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It offers error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with protection type IP20 from WAGO.

- pluggable installation connectors with protection against mismating
- simple circuits
- with A coding for use in many general mains applications
- custom-engineered solutions
- fast, secure installation

Notes

Note	At least one snap-in connector **WITHOUT** a locking lever is required on one side when connecting two lights directly via intermediate coupler.

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	250 V	-	-		
Rated surge voltage	4 kV	-	-		
Rated current	25 A	-	-		

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General information

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

Connection data

			Connection 1	
Total number of potentials	3		Pole number	3

Physical data

Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 inches
Height	11.6 mm / 0.457 inches
Depth	40 mm / 1.575 inches

Mechanical data

Application	General mains applications
Coding	A
Variable coding	Yes
Marking	plain
Mating force of a plug-in connection	Approx. 20 … 70 N (depending on pole number)
Retention force of a plug-in connection	When 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
Type of distribution box	Intermediate coupler
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Plug-in connection

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
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
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact plating	Tin
Fire load	0.126 MJ
Weight	6.4 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

eCl@ss 10.0	27-44-06-03
eCl@ss 9.0	27-44-06-03
ETIM 8.0	EC002567
ETIM 7.0	EC002567
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918524186
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

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
cURus Underwriters Laboratories Inc.	UL 1977	E45171
cURus Underwriters Laboratories Inc.	UL 1059	E 45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

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

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 770-653	↓

Documentation

Bid Text

770-653	19.02.2019	xml 2.69 KB	↓
770-653	04.12.2014	doc 23.00 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 770-653	↓

CAE data

EPLAN Data Portal 770-653	↓
WSCAD Universe 770-653	↓
ZUKEN Portal 770-653	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Cover

1.1.1.1 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

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

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

Current addresses can be found at:: www.wago.com