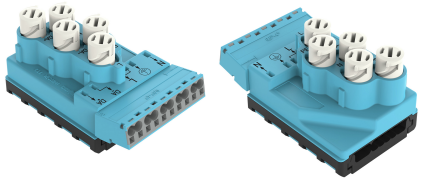
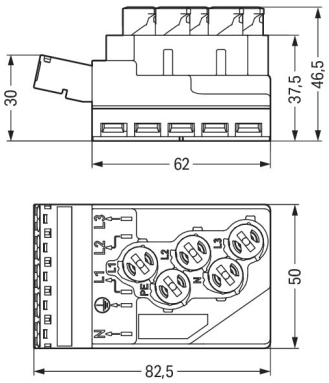
Data Sheet | Item Number: 772-271

Supply module; 5 x 2.5 mm²; 5-pole; Cod. I; with strain relief housing; 4,00 mm²; blue

https://www.wago.com/772-271



Color: blue



Dimensions in mm

Supply module *WINSTA*® IDC with protection against mismating

The *WINSTA*® IDC supply module with protection against mismating supports fast, reliable installation. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to many different requirements in no time flat. The coding options reduce installation errors, allowing fast, secure wiring of all components. 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 electrified elements. *WINSTA*® IDC pluggable installation connectors with I coding in blue are above all suitable for intelligent, for example for the dimming function of DALI lights. This pluggable installation connector can be used for a current load of up to 25 A. As a result, it can also be used for high power loads.

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

The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose durability and quality – with protection type IP20 from WAGO makes the electrical installation of electrical components noticeably easier.

- effective protection against mismating
- products perfectly tailored to your requirements guarantee safe use
- with I coding for controlling light (DALI standard)
- custom-engineered solutions
- convenient installation and commissioning

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	400 V	-	-
Rated impulse withstand 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

Clamping units	10
Total number of potentials	5

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Nominal cross-section	4 mm² / 12 AWG
Solid conductor	0.5 … 4 mm² / 20 … 12 AWG
Solid conductor; push-in termination	1.5 … 4 mm² / 16 … 12 AWG
Stranded conductor	0.5 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor	0.5 … 4 mm² / 20 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm² / 20 … 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1.5 mm² / 16 AWG
Strip length	9 mm / 0.35 inches
Pole number	5

Connection 2

Connection technology	IDC connection

Physical data

Width	50 mm / 1.969 inches
Height	46.5 mm / 1.831 inches
Depth	82.5 mm / 3.248 inches

Mechanical data

Use	DALI, Lighting Management
Coding	I
Variable coding	No
Marking	N ⏚ L DA- DA+
Potential marking	N ⏚ L DA- DA+
Retention force of a plug-in connection	When locked: > 80 N
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)
Suitable	for flat cable 5 x 2.5 mm², 5 x 4 mm², 5 x 2.5 mm² + 2 x 1.5 mm²

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

Continued on next page

Material data

Note (material data)	Information on material specifications can be found here
Color	blue
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	2.239 MJ
Weight	95 g

Environmental requirements

Processing temperature	-5 … +40 °C
Continuous operating temperature	-35 … +85 °C
Note on continuous operating temperature	Cable for temperatures ≤ 70 °C (including halogen-free) Flat cable for temperatures –15 °C to ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C

Commercial data

Product Group	20 (Winsta)
PU (SPU)	10 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4055143174671
Customs tariff number	85366990990

Product Classification

UNSPSC	39121421
eCl@ss 10.0	27-44-06-01
eCl@ss 9.0	27-44-06-01
ETIM 9.0	EC002588
ETIM 10.0	EC002588
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

Declarations of conformity and manufacturer's declarations

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

 Continued on next page

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 772-271

Documentation

Bid Text

772-271	02.06.2015	doc 23.00 KB
772-271	19.02.2019	xml 3.03 KB

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 772-271	ZUKEN Portal 772-271

1 Compatible Products

1.1 Required Accessories

1.1.1 Installation

1.1.1.1 Mounting accessories



Item No.: 772-260
Mounting plate; for power supply and tap-off modules; Plastic; black

1.2 Optional Accessories

1.2.1 Cables and connectors

1.2.1.1 Flat cable



Item No.: 897-252
Flat cable; B2ca; 5G 2.5 mm²; halogen-free; 3L + N + PE; 0.6/1 kV; 2,50 mm²; green



Item No.: 897-262
Flat cable; Cca; 5G 2.5 mm² + 2 x 1.5 mm²; halogen-free; 3L + N + PE + 2 buses; 0.6/1 kV; 2,50 mm²; violet



Item No.: 897-261
Flat cable; Eca; 5G 2.5 mm² + 2 x 1.5 mm²; PVC; 3L + N + PE + 2 buses; 0.6/1 kV; 2,50 mm²; violet



Item No.: 897-251
Flat cable; Eca; 5G 2.5 mm²; PVC; 3L + N + PE; 0.6/1 kV; 2,50 mm²; green



Item No.: 897-453
Flat cable; Eca; 5G 4 mm²; halogen-free; 3L + N + PE; 0.6/1 kV; 4,00 mm²; black

1.2.2 Tool

1.2.2.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-635
Operating tool; Blade: 6.5 x 1.2 mm; multicoloured



Item No.: 210-636
Operating tool; Blade: 6.5 x 1.2 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



Insert flat cable into base (observe coding!).

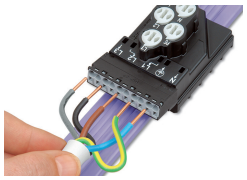


Mount IDC module flush with the base.

Should the IDC module jam during mounting, turn the upper part by 180° and remount it.



Screw down contact elements to the stop.



Connecting an installation cable to the supply module.

Stripped, solid conductors are simply pushed into unit. Open clamp via screwdriver to insert stripped, fine-stranded conductors.



Secure supply cable via strain relief housing.

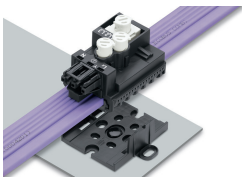


Tighten strain relief screw using a screwdriver.

Installation



The mounting plate can be centrally mounted, or attached via outboard attachment points using 770-601 Mounting Pins.



Snapping a supply or tap-off module onto a mounting plate.

Security



Use insulating tape to seal the contact holes in the flat cable after removing a module.