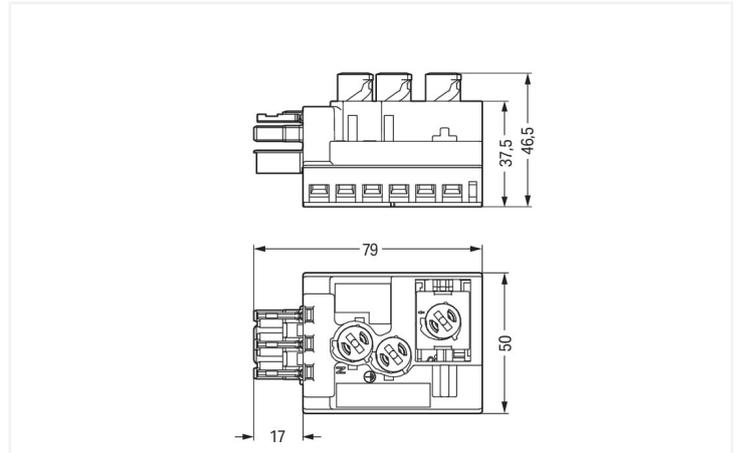# Data Sheet | Item Number: 772-269

Tap-off module; for flat cable; 5 x 2.5 mm² + 2 x 1.5 mm²; 3-pole; Cod. P; with cable connection on the output side; red

https://www.wago.com/772-269

Color: ■ red

Dimensions in mm

Tap-off module WINSTA® IDC with protection against mismating

The *WINSTA®* IDC tap-off module with protection type IP20 is the pluggable solution for your use in control cabinets, on PCBs or for lighting connections. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to a huge variety of requirements in seconds. The coding options reduce installation errors, allowing fast, secure wiring of all components. The pluggable installation connector is protected against ingress by solid objects in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). *WINSTA®* IDC pluggable installation connectors with P coding allow proper realization of an uninterruptible power supply (UPS). This pluggable installation connector is used for electrical currents up to 25 A. Thus the product is also suitable for high power loads.

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

The WINSTA® Pluggable Connection System is ideally tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently faster, even more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Now you can also cut installation expenses without compromising quality and safety: with marking eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismating
- saves time, since no wiring is required at the construction site
- with P coding for use in realising an uninterruptible power supply
- exact dimensions
- quick replacement of defective units during ongoing operation

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
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	3

Connection 1

Connection technology	IDC connection
Actuation type	Operating tool
Pole number	3

Physical data

Width	49 mm / 1.929 inches
Height	46.5 mm / 1.831 inches
Depth	79 mm / 3.11 inches

Mechanical data

Use	EDV (UPS)
Coding	P
Variable coding	No
Marking	L ⊕ N
Potential marking	L ⊕ N
Retention force of a plug-in connection	When locked: > 80 N
Number of mating cycles	200, without resistive load
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
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	red
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	1.836 MJ
Weight	69.7 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)
eCl@ss 10.0	27-44-06-01
eCl@ss 9.0	27-44-06-01
ETIM 9.0	EC002588
ETIM 8.0	EC002588
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454599539
Customs tariff number	85366990990

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	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 772-269	↓

Documentation

Bid Text

772-269	09.01.2015	doc 22.50 KB	↓
772-269	19.02.2019	xml 2.86 KB	↓

CAD/CAE-Data

CAE data

WSCAD Universe
772-269

1 Compatible Products

1.1 System counterpart

1.1.1 Cable assembly

Item No.: 771-9973/206-101
pre-assembled connecting cable; Eca;
Plug/open-ended; 3-pole; Cod. P; H05VV-
F 3G 1.5 mm²; 1 m; 1,50 mm²; red

Item No.: 771-9973/006-101
pre-assembled interconnecting cable;
Eca; Socket/plug; 3-pole; Cod. P; H05VV-F
3G 1.5 mm²; 1 m; 1,50 mm²; red

1.1.2 Male connector/plug

Item No.: 770-1313
Plug; 3-pole; Cod. P; 4,00 mm²; red

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

1.2.2 Installation

1.2.2.1 Mounting accessories

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

1.3 Optional Accessories

1.3.1 Cables and connectors

1.3.1.1 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

1.3.2 Tool

1.3.2.1 Operating tool

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.

After connecting the flat cable, the IDC module is locked and can no longer be moved, even after unscrewing the contact element.
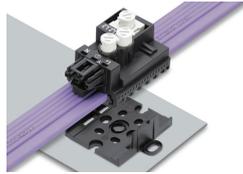

Notice: Should it be necessary to tap another phase, this must be done in a different location. To do so, the contact elements must be unscrewed and brought back to their original position.

Lift contact element to unlock phase selector and select the new phase.

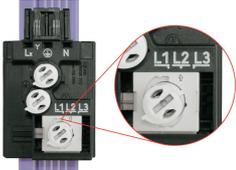Notice: Do not reuse in the same location of the flat cable.
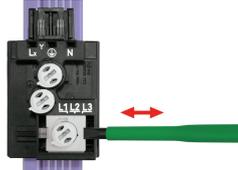
Installation

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.

Application

The phase selector is in position L2 (center) when delivered.

Move the phase selector into position L1 or L3 if required.

Security

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

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

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