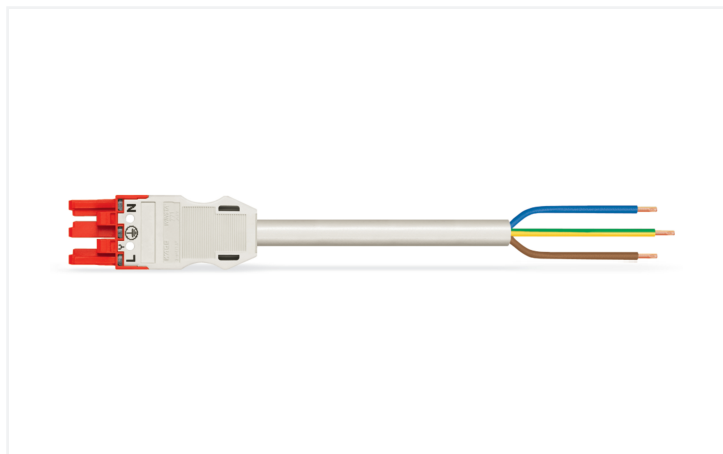


## Data Sheet | Item Number: 771-9973/116-202

pre-assembled connecting cable; Eca; Socket/open-ended; 3-pole; Cod. P;  
H05Z1Z1-F 3G 1.5 mm<sup>2</sup>; 2 m; 1,50 mm<sup>2</sup>; red

<https://www.wago.com/771-9973/116-202>



Color: ■ red



Dimensions in mm

### Cable assembly WINSTA® MIDI with strain relief

Use effective pluggable connections instead of laborious screw connections: With the WINSTA® MIDI cable assembly with protection type IP20. On PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to make connections according to an enormous 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!)). UPS applications for IT technology frequently use the red WINSTA® MIDI pluggable installation connectors with P coding. The WINSTA® MIDI product line allows maximum flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees error-free, time-saving installation and offers flexibility and customization for meeting all installation requirements. This product meets all the relevant fire protection requirements of fire class E; therefore it can be used in domains where fire safety is relevant. In the production of this cable assembly, we eliminated the use of halogen. That is an important contribution to climate protection.

### Fast, error-free assembly thanks to cable assemblies from WAGO

The cable assembly is provided with a socket and a free end. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures fast, secure and, above all, error-free installation of components and cables. Now you can also reduce installation expenses without compromising quality and safety: with fire class E reduces the need for servicing and prevents unnecessary downtime.

- effective protection against mismatching
- for automation controllers
- for UPS applications
- exact dimensions
- convenient installation and commissioning

### Notes

Note

Cables with a different fire class can be found in the eShop.

## Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated impulse withstand voltage	4 kV	-	-
Rated current	16 A	-	-

## General information

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

Total number of potentials	3
PE function	Preceding PE contact
Conductor preparation	ultrasonically tip-bonded

## Connection 1

Strip length	9 mm / 0.35 inches
Pole number	3
Wire cross-section	1.5 mm <sup>2</sup>
Strip length (outer insulation)	55 mm
Connection type	Socket - free end

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	27 mm / 1.063 inches
Height	12.9 mm / 0.508 inches
Total length	2 m

## Mechanical data

Use	EDV (UPS)
Coding	P
Variable coding	No
Marking	L ⊕ N
Potential marking	L ⊕ N
Mating force of a plug-in connection	approx. 20 ... 70 N (depending on pole number)
Retention force of a plug-in connection	when locked: > 80N
Unmating force of a plug-in connection	when unlocked: approx. 20 ... 70 N (depending on pole number)
Number of mating cycles	200, without resistive load
Connection type	Socket - free end
Type of pre-assembled cable	Connecting cable
Cable type	H05Z1Z1-F 3G1.5
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 <i>WINSTA</i> ® 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	Can be retrofitted
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)	<a href="#">Information on material specifications can be found here</a>
Color	red
Insulation material (main housing)	Polyamide (PA66)
Fire class per EN 50575	E <sub>ca</sub>
Contact material	Copper or copper alloy; surface-treated
Contact Plating	Tin
Fire load	59.72 MJ
Connector color	red
Strain relief color	white
Printing color of strain relief	black
Sheathed cable color	white
Printing color of sheathed cable	black
Halogen-free	Yes
Silicon-free	Yes
Sheath material	Halogen-free
Rubber cable	No
Weight	205 g
Copper weight of the raw cable	0.043 kg/m

### 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) Insulating parts for temperatures ≤ 105 °C

### Commercial data

PU (SPU)	1 pcs
Packaging type	unpacked
Country of origin	DE
GTIN	4045454421311
Customs tariff number	85444290900

### Product Classification

UNSPSC	26121629
eCl@ss 10.0	27-44-06-04
eCl@ss 9.0	27-44-06-04
ETIM 9.0	EC002587
ETIM 10.0	EC002587
ECCN	NO US CLASSIFICATION

### 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	NTR NL-7355
KEMA/KEUR DEKRA Certification B.V.	EN 61535	71-123834

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 771-9973/116-202	<a href="#">↓</a>
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Documentation

Bid Text

771-9973/116-202	19.02.2019	xml 3.00 KB	<a href="#">↓</a>
771-9973/116-202	05.12.2014	doc 26.00 KB	<a href="#">↓</a>

CAD/CAE-Data

CAE data

WSCAD Universe 771-9973/116-202	<a href="#">↓</a>
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1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



[Item No.: 770-101](#)

Locking lever; for flying leads; for manual operation; black

[Item No.: 770-121](#)

Locking lever; for flying leads; for manual operation; white

[Item No.: 770-111](#)

Locking lever; for flying leads; for tool operation; black

[Item No.: 770-131](#)

Locking lever; for flying leads; for tool operation; white

## 1.2 Optional 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



**Item No.: 897-2003**

Protective cap; Type2; for sockets and plugs; PVC; red

## 1.2.2 Installation

### 1.2.2.1 Mounting accessories



**Item No.: 770-310**

Mounting carrier; 2- to 5-pole; for flying leads; black

## 1.2.3 Marking

### 1.2.3.1 Marker



**Item No.: 770-450/000-006**

Marker card; Plastic; blue



**Item No.: 770-450/000-001**

Marker card; Plastic; green



**Item No.: 770-450/000-012**

Marker card; Plastic; orange



**Item No.: 770-450/000-005**

Marker card; Plastic; red



**Item No.: 770-450**

Marker card; Plastic; white



**Item No.: 770-450/000-002**

Marker card; Plastic; yellow

### 1.2.3.2 Marking strip



**Item No.: 210-334**

Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white