

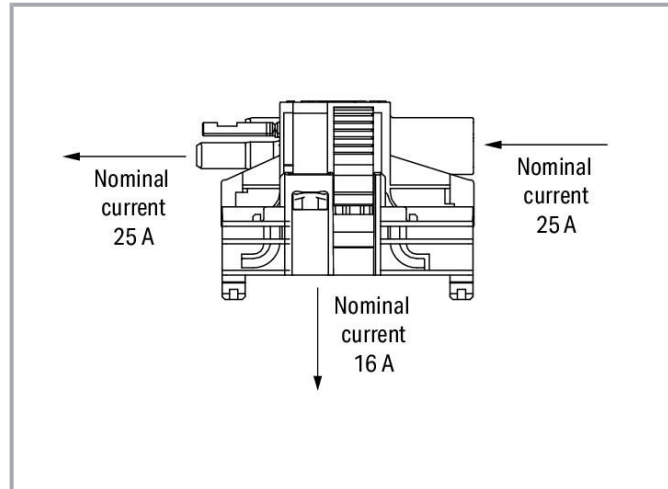
Data sheet | Item number: 770-6224

Linect® T-connector; 4-pole; Cod. A; 1 input; 2 outputs; white

www.wago.com/770-6224



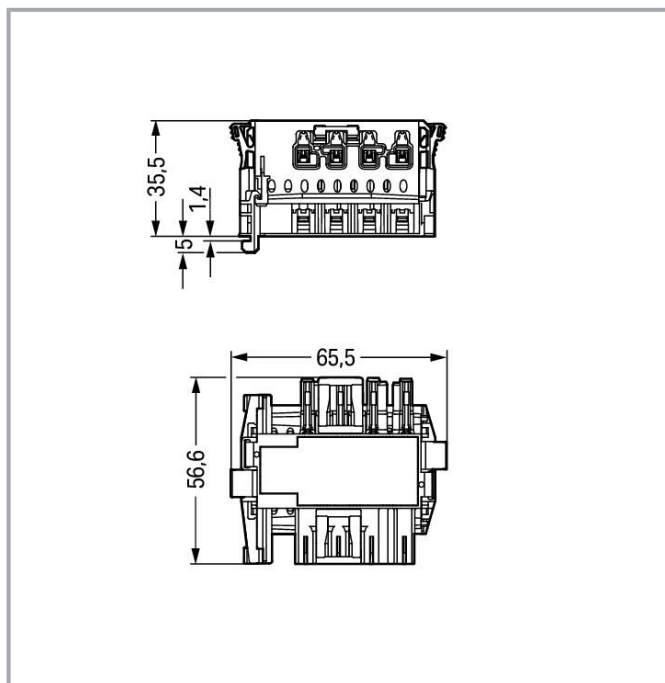
Color:



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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

Distribution connector **WINSTA®** MIDI rated current 25 A

The **WINSTA®** MIDI distribution connector with protection type IP20 is the pluggable solution for your application in control cabinets, on PCBs or for lighting connections. Our pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow flexible, error-free installation in numerous possible uses. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismatching. 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!)). This means that users' fingers will never come into contact with energised elements. The Linect® interface guarantees quick and easy installation of lights with various pluggable connection systems. The **WINSTA®** MIDI pluggable installation connector with A coding in white or black is normally used for general mains applications in power distribution. 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 Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology facilitates safe electrification. Due to the included test slot, connections can be checked even when they are plugged in. That saves time and reduces installation labor and costs.

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

The **WINSTA®** Pluggable Connection System is perfectly tailored to the very strict requirements of building installation. It makes electrical installation pluggable, and consequently more efficient, even more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Take advantage of the pluggable version of our maintenance-free spring

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



pressure connection technology too! Plan your installation with *WINSTA*® MIDI pluggable installation connectors with protection against mismating from WAGO.

-
- pluggable installation connectors with protection against mismating
- for automation controllers
- suitable for any application
- custom-engineered solutions
- rapid, structured electrical installation

Data

Electrical data

Ratings per IEC/EN

| | |
|-------------------------------|-----------------------------------------------------------|
| Ratings per | IEC/EN 60664-1 |
| Nominal voltage (III/3) | 400 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 25 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Ratings per IEC/EN 2

| | |
|-----------------|------|
| Rated current 2 | 16 A |
|-----------------|------|

Ratings per UL 1977

| | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note for the US market | 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. |
| Rated voltage (UL 1977) | 600 V |
| Rated current UL 1977 | 23 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 | 4 |
|----------------------------|---|

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



| | |
|-------------|----------------------|
| PE function | Preceding PE contact |
|-------------|----------------------|

Connection 1

| | |
|-------------|---|
| Pole number | 4 |
|-------------|---|

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 65.5 mm / 2.579 inches |
| Height | 40.5 mm / 1.594 inches |
| Depth | 56.6 mm / 2.228 inches |

Mechanical Data

| | |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Technology | Linect |
| Application | General mains applications |
| Coding | A |
| Variable coding | Yes |
| Marking | N ∇ 2/L 1/L' |
| Potential marking | N ∇ 2/L 1/L' |
| 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 | Linect® T-connector |
| 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) | Socket/plug |
| 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 |

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



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 | 0.811 MJ |
| Weight | 36.1 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

| | |
|-----------------------|---------------|
| Product Group | 20 (Winsta) |
| 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) | 25 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4050821102960 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

| | |
|---------|----------------------------|
| CAS-No. | 131651-65-5 144317-44-2 |
|---------|----------------------------|

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



220133-51-7
 220689-12-3
 25628-08-4
 29420-49-3
 375-73-5
 503155-89-3
 507453-86-3
 68259-10-9


| | |
|-------------------------------------------|----------------------------------------------------|
| REACH Candidate List Substance | Perfluorobutane sulfonic acid (PFBS) and its salts |
| RoHS Compliance Status | Compliant, With Exemption |
| RoHS Exemption | 6(c) 7(a) 7(c)-I 7(c)-II |
| SCIP notification number (Austria) | 44167988-7ed9-4d76-b137-e846e760a160 |
| SCIP notification number (Belgium) | 9f40a707-cc86-442e-bf3a-45e51efee172 |
| SCIP notification number (Bulgaria) | 2341f9df-0aec-4a63-aa1d-47b24f8456b3 |
| SCIP notification number (Czech Republic) | c689e81b-bdad-4ff4-9757-d3e852e74ab7 |
| SCIP notification number (Denmark) | 665ad933-6c1f-4449-a71c-60185835cc11 |
| SCIP notification number (Finland) | d2a7202a-d748-4799-a3a2-f557304fd21a |
| SCIP notification number (France) | baa401d7-41ea-4225-8aaa-4c47773c1390 |
| SCIP notification number (Germany) | a11ffe91-2a6e-423d-84b8-f67f114a568c |
| SCIP notification number (Hungary) | 8be06503-d6d2-4bc0-9f73-5f7295c77c70 |
| SCIP notification number (Italy) | 09077603-0d9c-43ce-ab44-20d2040a5580 |
| SCIP notification number (Netherlands) | 14926ce9-d672-4ea2-9c27-328d9aadd970 |
| SCIP notification number (Poland) | ef5def06-96db-4426-acfa-5a4d4e5f5eef |
| SCIP notification number (Romania) | d85336a5-9f13-4ae5-b95e-f04339547ab1 |
| SCIP notification number (Sweden) | 23a664af-65b4-4dac-8589-b0c56e716f08 |

Other

| | |
|------------|--------|
| Technology | Linect |
|------------|--------|

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|-----------------------------------------|--------------------------|------------------|
|  | cURus Underwriters Laboratories Inc. | UL 1059 | E 45172 |

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VDE
VDE Prüf- und Zertifizierungsinstitut

EN 61535

40029808

Counterpart



Item no. 294-8024

Lighting connector; push-button, external; for Linect®; without ground contact; 1/L'-2/L-PE-N; 4-pole; Cod. A; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); 2,50 mm²; white

www.wago.com/294-8024



Item no. 294-8124

Lighting connector; push-button, external; for Linect®; with direct ground contact; 1/L'-2/L-PE-N; 4-pole; Cod. A; Lighting side: for solid conductors; Inst. side: for all conductor types; max. 2.5 mm²; Surrounding air temperature: max 85°C (T85); 2,50 mm²; white

www.wago.com/294-8124



Item no. 770-124

Socket; with strain relief housing; 4-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-124



Item no. 770-224

Socket; 4-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-224



Item no. 770-134

Plug; with strain relief housing; 4-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-134



Item no. 771-9994/106-102

pre-assembled connecting cable; Eca; Socket/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/771-9994/106-102



Item no. 770-234

Plug; 4-pole; Cod. A; 4,00 mm²; white

www.wago.com/770-234



Item no. 771-9994/006-102

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/771-9994/006-102



Item no. 771-9994/206-102

pre-assembled connecting cable; Eca; Plug/open-ended; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 1 m; 1,50 mm²; white

www.wago.com/771-9994/206-102

Optional accessories

Coding

Coding



Item no.: 770-401

Coding pin; for plugs; Plastic; gray

www.wago.com/770-401

Cover

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Cover



Item no.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow

www.wago.com/770-360

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

Downloads

Documentation

Bid Text

| | | | |
|-------------------------|-------------|----------------|----------|
| 770-6224 X81 - Datei | 2019 Feb 19 | xml 2.9 kB | Download |
| 770-6224 doc - Datei | 2014 Dec 2 | doc 23.6 kB | Download |

CAD/CAE-Data

CAE data

| | | |
|-------------------------|-----|----------|
| WSCAD Universe 770-6224 | URL | Download |
|-------------------------|-----|----------|

Environmental Product Compliance

Compliance Search

| | | |
|-------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 770-6224 Linect® T-connector; 4-pole; Cod. A; 1 input; 2 outputs; white | URL | Download |
|-------------------------------------------------------------------------------------------------------------|-----|----------|

Installation Notes

Product family

WINSTA® MIDI

[Show all products from the family](#)

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