

Data sheet | Item number: 891-8982/016-802

pre-assembled interconnecting cable; Eca; Socket/plug; 2-pole; Cod. I;
H05Z1Z1-F 2 x 1,50 mm²; 8 m; 1,50 mm²; blue



www.wago.com/891-8982/016-802



Item description

- Protected against mismatching and maintenance-free
- Compact design with 4.4 mm pole spacing

Note:

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

Note on mismatching protection:

All WINSTA[®] components are 100% protected against mismatching when:

- plugging different numbers of poles
- plugging while rotated 180
- plugging while laterally staggered
- plugging one pole

Safety information 1:

Application note for the U.S. market (USR): Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office.

Data

Electrical data

Note on Contact Resistance

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

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.



Ratings per IEC/EN 60664-1

| | |
|---------------------------------|----------------------------------------------------------------------|
| Ratings per | IEC/EN 60664-1 |
| Rated voltage (III / 3) | 250 V |
| Rated impulse voltage (III / 3) | 4 kV |
| Rated current | 16 A |
| Legend (ratings) | (III / 3) \triangleq Overvoltage category III / Pollution degree 3 |

Approvals per UL 1977

| | |
|-------------------------------------------------|-------|
| Rated voltage per UL 1977 (factory wiring only) | 600 V |
| Rated current per UL 1977 (factory wiring only) | 14 A |

Connection data

| | |
|-----------------------------------|---------------------|
| No. of poles | 2 |
| Total number of potentials | 2 |
| Conductor preparation | tip-bonded |
| Cable diameter | 6,8 ... 8,6 mm |
| Cross section of single conductor | 1.5 mm ² |
| Connection type | Socket - Plug |

Geometrical Data

| | |
|--------------|---------------------|
| Pin spacing | 4,4 mm / 0.173 inch |
| Total length | 8 m |

Mechanical data

| | |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Technologie | DALI |
| Coding | I |
| 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 100, with resistive load $I_N = 16$ A, tested (1.5mm ² /AWG 16) |
| Connection type | Socket - Plug |
| Type of cable assembly | Interconnecting cable |

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| | |
|--------------------------|---------------------|
| Type of cable | H05Z1Z1-F 2x1.5 |
| Marking | + - |
| Protection class | IP20 |
| Note on protection class | IP40 when mated |
| Potential marking | + - |
| Application | Lighting management |

Plug connection

| | |
|-------------------------------|---------------|
| Mismating protection | Yes |
| Locking of plug-in connection | locking lever |
| Locking lever | no |

Material Data

| | |
|-------------------------------------|------------------------------------------|
| Color | blue |
| Insulating material | Polyamide 66 (PA 66) |
| Reaction to fire class per EN 50575 | E _{ca} |
| Contact material | Copper or copper alloy (surface-treated) |
| Fire load | 14.138 MJ |
| Connector color | blue |
| Printing color of mating face | black |
| Strain relief color | white |
| Printing color of strain relief | black |
| Color of sheathed cable | white |
| Printing color of sheathed cable | black |
| Halogen-free | Yes |
| Weight | 564 g |

Environmental Requirements

| | |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Processing temperature | -5 ... +40 °C |
| Continuous operating temperature | -35 ... +85 °C |
| Note on Continuous Service Temperature | PVC cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|-------------------|------------|
| Packaging type | not packed |
| Country of origin | PL |

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| | |
|--------------------|---------------|
| GTIN | 4055143392549 |
| Customs Tariff No. | 85444290900 |

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|  | KEMA/KEUR DEKRA Certification B.V. | EN 61535 | 2179129.02 |


Counterpart

Compatible products

assembling

| | | |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | Item no.: 890-310 Mounting carrier; 2- to 5-pole; for flying leads; black | www.wago.com/890-310 |
| | Item no.: 890-311 Mounting carrier; 2- to 5-pole; for flying leads; white | www.wago.com/890-311 |

Locking lever

| | | |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------|
| | Item no.: 890-101 Locking lever; for manual operation; black | www.wago.com/890-101 |
|  | Item no.: 890-111 Locking lever; for flying leads; for tool operation; black | www.wago.com/890-111 |
| | Item no.: 890-121 Locking lever; for manual operation; white | www.wago.com/890-121 |
| | Item no.: 890-131 Locking lever; for flying leads; for tool operation; white | www.wago.com/890-131 |

Downloads

CAD/CAE-Data

CAE data

| WSCAD Universe 891-8982/016-802 | URL | Download |
|---------------------------------|-----|----------|
| | | |

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



Installation Notes

Product family

WINSTA® MINI

[Show all products from the family](#)

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