GETRIEBEBAU NORD

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SK H6G2.5 NQ16SPF OE xxx UL

Cable Hybrid Mains

Scope of supply

| NORD Cable |
|--|
| Preconfigured for connection via one power plug. |

| Name | p/n | Length | |
|-----------------------------|-------------|--------|--|
| SC H6G2.5 NQ16SPF OE 1.5 UL | 275 274 218 | 1.5 m | |
| SC H6G2.5 NQ16SPF OE 3 UL | 275 274 219 | 3.0 m | |
| SC H6G2.5 NQ16SPF OE 5 UL | 275 274 220 | 5.0 m | |
| SC H6G2.5 NQ16SPF OE 10 UL | 275 274 221 | 10.0 m | |



Field of use

This cable is usable for the following application:

• Mains incoming voltage supply (3-phase + PE) with 24V DC supply

Necessary inverter conditions

The frequency inverter must be equipped with following power plug:

Mains incoming power plug NQ16

It only is allowed for qualified electricians to install and commission the module. An electrician is a person who, because of their technical training and experience, has sufficient knowledge relating to

- switching on, switching off, isolating, earthing and marking power circuits and devices,
- proper maintenance and use of protective devices in accordance with defined safety standards.

A DANGER!

Danger of electric shock

The frequency inverter continues to carry hazardous voltages for up to 5 minutes after it was switched off.

• Work must not be carried out unless the device has been disconnected from the voltage and at least 5 minutes have elapsed since the mains was switched off!

| Technical Information / Datasheet | SC H6G2.5 NQ16SP | F OE xx | x UL | |
|-----------------------------------|------------------|---------|------|----|
| Specification of connection cable | TI_275274218-221 | 3.1 | 0921 | en |



1 Information

UL category (PVVA2)

This cable fulfils the requirements of the UL category PVVA2. The cable is mounted with UL listed components and is produced under the UL "Wiring Harness Program" (Category ZPFW2/8) at a certified production site. The cable gets a special UL "Wiring Harness" traceability label (Category ZPFW2).

Example of identification mark



Technical Data

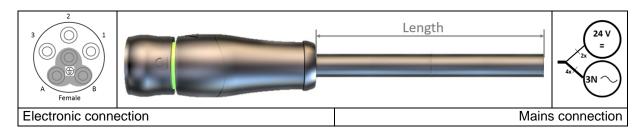
| Specification | Side A | | |
|------------------------------|------------------|--|--|
| Number of contacts | 5 + PE | | |
| Type of contacts | Female (F) | | |
| Housing type | Straight | | |
| Housing material | Plastic | | |
| Rated current I _N | 16 A (Power) | | |
| Rated voltage | 600 V AC (Power) | | |
| Rated current I _N | 10 A (Signal) | | |
| Rated voltage | 63 V DC (Signal) | | |
| Pollution degree | 3 | | |

| Specification | Side B | |
|------------------|--------|--|
| Cable gland | No | |
| Cable dismantled | No | |
| Wires prepared | No | |

| Specification | Cable (76) | |
|---------------------------|---------------------|--|
| UL / AWM Standard | 2237 / 21223 | |
| Cross section | 2.5 mm ² | |
| Bending radius | 5x cable diameter | |
| Outside diameter | 10.5 mm (±5%) | |
| Operation temperature | -25 up to +80 °C | |
| Rated voltage | 600 V AC | |
| Installation type | Fixed laying | |
| Jacket / wire material | PVC / PP | |
| Jacket colour | Black (RAL 9005) | |
| Cable shield | No | |
| Drag chain compatibility | No | |
| Halogen-free | No | |
| Oil resistant | Yes | |
| Flammability test acc. to | FT1 (CSA) | |

PIN assignment

| Potential | PIN assignment (F) Side A | (Cable colour) designation | | Flying leads Side B |
|-----------|------------------------------|----------------------------|---------|------------------------|
| L1 | 1 | (Black) 1 | | Single wire |
| L2 | 2 | (Black) 2 | | Single wire |
| L3 | 3 | (Black) 3 | | Single wire |
| (1) | GNYE | (Green- | Yellow) | Single wire |
| +24V DC | A | (Black) 4 | | Single wire |
| GND | В | (Black) 5 | | Single wire |



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