

## SK TIE4-2XTEC\_23-M-LE-LA

Connection extension for power / 24 V DC input and brake output

Part number: 275 274 120



### Scope of delivery

|                              |                                          |
|------------------------------|------------------------------------------|
| 1 x                          | Adapter plate for 2 X-TEC plug connector |
| 1 x                          | X-TEC 23 plug connector                  |
| 1 x                          | X-TEC 23 socket                          |
| 1 x                          | Cable kit                                |
| <i>Accessories required:</i> |                                          |
| 1 x                          | Seals and screws                         |



### Field of use

Connection extension for a plug-in mains voltage connection (power input, plug connector: X-TEC 23), directly on the inverter (or connection unit) or on the motor terminal box and one plug-in connection for the electromagnetic brake (socket: X-TEC 23). Both plug connectors each have 3 power contacts (+PE) and 5 signal contacts.

In addition to the power supply, the control voltage (24V DC) can be integrated into the system and connected.



|                                          |                                 |       |      |    |
|------------------------------------------|---------------------------------|-------|------|----|
| <b>Technical Information / Datasheet</b> | <b>SK TIE4-2XTEC_23-M-LE-LA</b> |       |      |    |
| Connection extension                     | TI 275274120                    | V 1.1 | 2914 | EN |

### Technical data

| Plug connector type              | X-TEC 23 (pin)               |
|----------------------------------|------------------------------|
| Number of contacts               | 3 +PE + 5                    |
| Cable cross section, power side  | 0.35 ... 2.5 mm <sup>2</sup> |
| Rated current, power side        | 30 A                         |
| Rated voltage, power side        | 630 V                        |
| Cable cross section, signal side | 0.5 ... 1.5 mm <sup>2</sup>  |
| Rated current, signal side       | 7 A                          |
| Rated voltage, signal side       | 63 V                         |
| Contact insert                   | Pin insert (M)               |
| Version                          | angled                       |
| Protection class                 | IP67                         |

| Plug connector type              | X-TEC 23 (socket)            |
|----------------------------------|------------------------------|
| Number of contacts               | 3 +PE + 5                    |
| Cable cross section, power side  | 0.35 ... 2.5 mm <sup>2</sup> |
| Rated current, power side        | 30 A                         |
| Rated voltage, power side        | 630 V                        |
| Cable cross section, signal side | 0.5 ... 1.5 mm <sup>2</sup>  |
| Rated current, signal side       | 7 A                          |
| Rated voltage, signal side       | 63 V                         |
| Contact insert                   | Socket insert (F)            |
| Version                          | angled                       |
| Protection class                 | IP67                         |

### Connections

| X-TEC 23 (pin)<br>PIN | Potential | SK 135E ... 175E<br>Terminal | SK 180E ... 190E<br>Terminal | SK 2xxE<br>Terminal |
|-----------------------|-----------|------------------------------|------------------------------|---------------------|
| 1                     | L1        | L1                           | L1                           | L1                  |
| 2                     | L2        | L2                           | L2                           | L2                  |
| 3                     | L3        | L3                           | L3                           | L3                  |
| A                     | 24 V      | 44                           | 44 *                         | 44 *                |
| C                     | GND       | 40                           | 40 *                         | 40 *                |
| PE                    | PE        | PE                           | PE                           | PE                  |

\* For the SK 2x0E / SK 180E series, an optional bus module can be supplied with an external 24V power supply using this plug connector system.

| X-TEC 23 (socket)<br>PIN | Potential                  | SK 135E ... 175E<br>Terminal | SK 180E ... 190E<br>Terminal | SK 2xxE<br>Terminal |
|--------------------------|----------------------------|------------------------------|------------------------------|---------------------|
| 1                        | Electromagnetic<br>brake + | 79                           | 79*                          | 79 **               |
| 2                        | Electromagnetic<br>brake - | 80                           | 80*                          | 80 **               |
| PE                       | PE                         | PE                           | PE                           | PE                  |

\* For the control of an electromechanical brake, an electronic brake rectifier SK CU4-MBR is required.

\*\* Sizes I to III of the SK 2x0E are not equipped with a connection terminal for an electromechanical brake (SK CU4-MBR, optional).

**Optional accessories (not contained in the article)**

| Number | Designation                              | Manufacturer | Article no. |
|--------|------------------------------------------|--------------|-------------|
| 4 x    | Cylinder head screw M5 x 12 DIN 912 VZ   |              | 22104120    |
| 4 x    | Contact washer with cutting teeth for M4 |              | 200475000   |
| 1 x    | Seal for 200E external technology unit   |              | 200841300   |

X-TEC connector (socket) - (Counterpart to installed plug connector)

| Number | Designation                                                   | Manufacturer | Information                             |
|--------|---------------------------------------------------------------|--------------|-----------------------------------------|
| 1 x    | X-TEC 23 power plug connector<br>Clamping range 7.5 ... 12 mm | lq group     | lq group order number:<br>1116665-00000 |

X-TEC plug connector (pin) - (Counterpart to the installed socket)

| Number | Designation                                                   | Manufacturer | Information                             |
|--------|---------------------------------------------------------------|--------------|-----------------------------------------|
| 1 x    | X-TEC 23 power plug connector<br>Clamping range 7.5 ... 12 mm | lq group     | lq group order number:<br>1116671-00000 |

**Additional documentation and software ([www.nord.com](http://www.nord.com))**

| Document                | Designation                                    |
|-------------------------|------------------------------------------------|
| <a href="#">BU_0135</a> | Manual for Motor Starters SK 135E, SK 175E     |
| <a href="#">BU_0180</a> | Frequency Inverter Manual for SK 180E, SK 190E |
| <a href="#">BU_0200</a> | Manual for Frequency Inverters SK 2xxE         |