

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.



Technical Information / Datasheet	SK TIE4-2XTEC_23-M-LE-LA			
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 ²
Rated current, power side	30 A
Rated voltage, power side	630 V
Cable cross section, signal side	0.5 ... 1.5 mm ²
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
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Rated current, power side	30 A
Rated voltage, power side	630 V
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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) PIN	Potential	SK 135E ... 175E Terminal	SK 180E ... 190E Terminal	SK 2xxE 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) PIN	Potential	SK 135E ... 175E Terminal	SK 180E ... 190E Terminal	SK 2xxE Terminal
1	Electromagnetic brake +	79	79*	79 **
2	Electromagnetic 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 Clamping range 7.5 ... 12 mm	lq group	lq group order number: 1116665-00000

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

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

Additional documentation and software (www.nord.com)

Document	Designation
BU_0135	Manual for Motor Starters SK 135E, SK 175E
BU_0180	Frequency Inverter Manual for SK 180E, SK 190E
BU_0200	Manual for Frequency Inverters SK 2xxE