

SK TIE4-POT

Part number: 275 274 700

Potentiometer 0 - 10 V, 10 kΩ

NOTICE

Validity of this document

This document is only valid in combination with the operating instructions for the relevant electronic drive technology and under strict compliance with the safety and warning instructions which they contain. Safe commissioning of this module and the electronic drive technology depends on the availability of this information.

Scope of delivery

1 x	Module incl. fitted connection cable	SK TIE4-POT
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Field of use

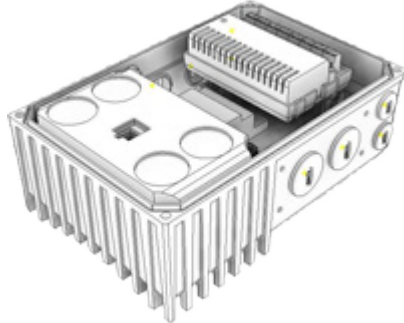
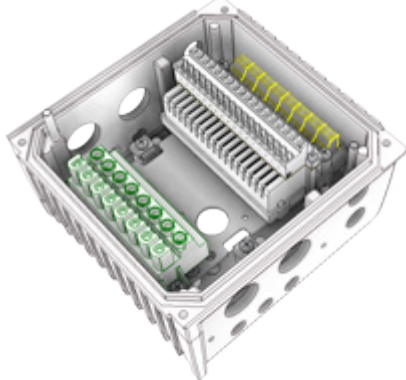
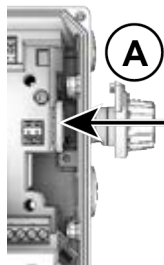
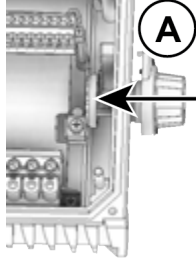
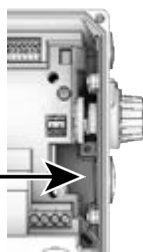
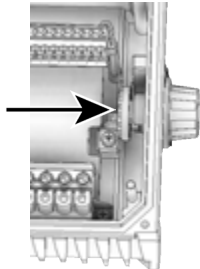
Potentiometer for installation in a decentralised electronic drive technology frequency inverter. This module enables the drive unit to be continuously controlled in the enabled direction of rotation with 0% to 100% of the maximum setpoint which is programmed in the frequency inverter (e.g. speed / frequency). When correctly installed, the module complies with protection class IP66.

Installation

Installation location	In an M25 cable gland on the frequency inverter (SK 1xxE, 2xxE)
Fastening	with threaded ring

Technical Information / Datasheet	SK TIE4-POT			
Potentiometer	TI 275274700	V 1.0	0516	EN

Installation steps (example illustration)

	SK 1xxE	SK 2xxE
1.		
2.		<ul style="list-style-type: none"> – Unscrew the blind plugs from the M25 cable gland of the frequency inverter – Unscrew the threaded ring (see arrow) from the module – Insert the cables into the terminal box – Align the module so that the lugs (A) can be inserted into the threaded holes at the side, next to the cable gland 
3.		<ul style="list-style-type: none"> – Tighten the threaded ring (see arrow) finger tight onto the module from the inside 

Connection

The module must be connected to the corresponding terminals of the frequency inverter. The factory setting of the frequency inverter then provides the typical functions. In case of changes, the parameterisation of the frequency inverter may need to be modified.

Connection example

1	brown	+10V REF	Connection to the reference voltage source of the electronic drive technology
2	white	AIN	Connection to a 0 – 10 V analogue input of the electronic drive technology
3	blue	AGND / 0V	Connection to the Analogue Ground of the electronic drive technology

Further documentation (www.nord.com)

Document	Designation
BU_0180	Frequency inverter manual SK 180E, SK 190E
BU_0200	Frequency inverter manual SK 2xxE

Document	Designation
Link_IO	Overview of IO expansions
TI_275271006	Technical information / Data sheet SK CU4-IOE
Link_24V	Overview of 24 V CD mains units
TI_275271108	Technical information / Data sheet SK CU4-24V-123-B
TI_275271109	Technical information / Data sheet SK CU4-24V-140-B