

# GETRIEBEBAU NORD

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Getriebebau NORD GmbH & Co. KG

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## SK EMC2-7

Part number: 275 999 071

EMC KIT

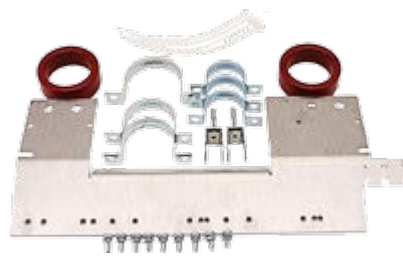
### NOTICE

#### Validity of document

This document is only valid in combination with the operating instructions for the particular frequency inverter. Only these documents contain all of the information that is required for safe commissioning of the module and the frequency inverter.

#### Scope of delivery

1 x	Shield bracket	
2 x	Shielding terminals	SK 14
2 x	Cable clips	605-47
3 x	Cable clips	605-37
1 x	Cable clip	605-55
2 x	Toroidal cores	
8 x	Fastening screws	M5 x 12
4 x	Cable tie	2.5 x 10 mm



#### Field of use

Frequency inverters have been developed for operation in industrial environments. In these environments, the device may be subject to high electromagnetic interferences or emit them itself. Using the EMC kit minimises these interferences. It is furthermore the basis for optimum EMC-compliant cabling. As an alternative, the EMC kit can also be used as a strain relief (e.g. for the connecting cable of a bus system) (observe bending radii!)

#### Frequency inverter assignment


Permissible frequency inverters	Size	Power
SK 5xxE-113-3x0- ... SK 5xxE-133-3x0-...	10	110 kW ... 132 kW
SK 5xxE-163-3x0-...	11	160 kW
SK 5xxP-113-340-A ... SK 5xxP-133-340-A	9	110 kW ... 132 kW
SK 5xxP-163-340-A	10	160 kW

Technical Information / Datasheet	SK EMC2-7			
EMC kit	TI 275999071	V 1.1	3224	en

### Technical data

<b>Material</b>	AlMgSi Aluminium-Magnesium-Silicon
<b>Fastening</b>	Available on the housing
<b>Weight [kg]</b>	≈ 1.1

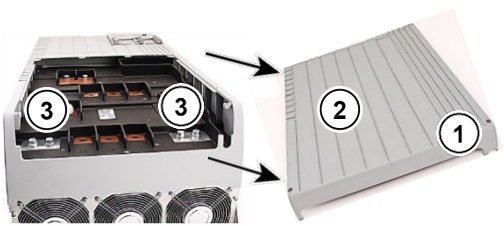
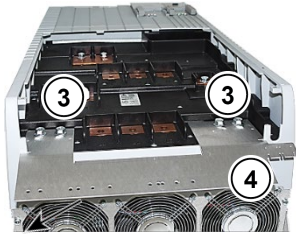
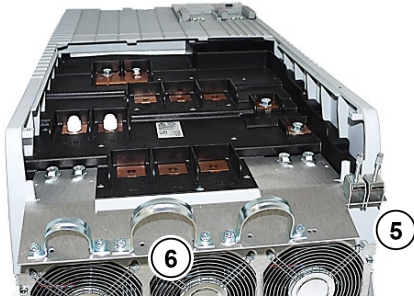
<b>Dimensions [mm] <sup>1)</sup></b>	391 x 29
Width x Depth	
<b>Tightening torque [Nm]</b>	
Shielding terminal SK 14	0.8

1) The depth data relates to the end of the mounting bracket and must be added as an increase in length to the basic device ("A" dimension of the housing dimensions, details  Frequency inverter manual).

### Installation

<b>Installation location</b>	Lower edge (above the fan) on the fastening screws
<b>Fastening</b>	Using the already mounted fastening screws

#### Installation steps

<p>1.</p> <ul style="list-style-type: none"> <li>Loosen housing cover screws (1)</li> <li>Remove housing cover (2)</li> <li>Remove fastening screws (3)</li> </ul>	
<p>2.</p> <ul style="list-style-type: none"> <li>Insert and mount shield bracket (4)</li> <li>Use the previously loosened fastening screws (3) here</li> </ul>	
<p>3.</p> <ul style="list-style-type: none"> <li>Mount shielding terminals (5) on the shield bracket</li> <li>Mount cable clips (6) depending on requirements</li> <li>Pass through connection cable</li> <li>Tighten shielding terminal screw taking into account the tightening torque</li> </ul> <p><b>Connect cable shields over a large area with shielding terminals and cable clips!</b></p> <p>Pass motor phases (U, V, W) and mains phases (L1, L2, L3) through supplied toroidal core and secure to the connection cable using cable ties.</p> <p><b>Do not pass the PE conductor through the toroidal core!</b></p>	

#### Further documentation and software [www.nord.com](http://www.nord.com)

Document	Designation
<a href="#">BU 0500</a>	Frequency inverter manual SK 500E – SK 535E
<a href="#">BU 0600</a>	Frequency inverter manual SK 500P

Document	Designation
<a href="#">BU 0505</a>	Frequency inverter manual SK 54xE