

GETRIEBEBAU NORD

Member of the NORD DRIVESYSTEMS Group



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SK CE-B4M-IGC-B5F-xxM

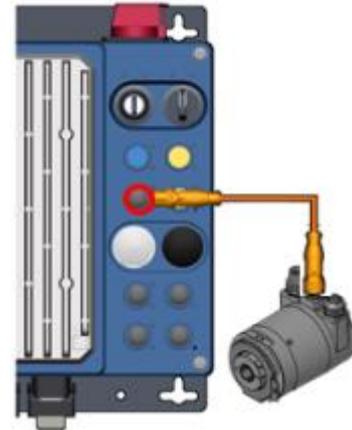
Cable AG-IG

Scope of supply

1 x	M12 plug (M), 4-poles, straight
1 x	Cable with 4 single wires, shielded, twisted pairs
1 x	M12 plug (F), 5-poles, straight,

Part number	Cable length
275 274 895	1.5 m
275 274 896	3 m
275 274 897	5 m
275 274 898	10 m

HTL encoder cable for NORD option:
"AG4" incremental encoder w/o 0-Track



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!

Field of use

The encoder cable is usable for the following HTL incremental encoder:

- AG4

Necessary inverter conditions

The frequency inverter must be equipped with the following M12-plug:

- SK TIE4-M12-HTL (for incremental encoder connection)

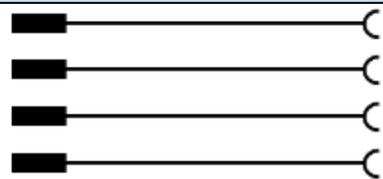
Technical Information / Datasheet	SK CE-B4M-IGC-B5F-xxM			
Specification of connection cable	TI 275 274 895-898	2.0	0820	en

Technical Data

M12 plug	Specification	
	Male (M)	Female (F)
Contact quantity	4-poles	5-poles
Coding	B – codiert	B – codiert
Contact type	Male (M)	Female (F)
Screw M12x1	Screw	Nut
Used contacts	4	
Rated current	2 A	
Rated voltage	Max. 60 V	
Construction type	straight	
Protection (screwed)	IP67	
Breakaway torque	0,6 Nm	
Pollution degree	3	

Cable	Specification
AWM Style	20233
Wire cross section	2x 2x 0.34 mm ²
Bending radius	4x cable diameter
Outside diameter	7.2 mm (+/- 0.2)
Conductor material / type	Cu, finely stranded
Operation temperature	-10 up to +80 °C
Rated current	Max. 2 A
Rated voltage	Max. 60 V DC
Braid shield coverage	Existent, >= 85%
Shield material	Tinned copper
Installation type	Fixed laying
Jacket material	PUR
Jacket color	Grey (RAL 7001)
Wire isolation	PP
Drag chain compatibility	No
Halogen-free	Yes
Flammability test	FT2

PIN assignment:

Function	PIN Male (M) at electronic side	Schematic diagram	PIN Female (F) at encoder side	Function
+24 V	1		1	+24 V
„B“ Track	2		2	„B“ Track
GND	3		3	GND
„A“ Track	4		4	„A“ Track
Not used			5	--

