

GETRIEBEBAU NORD

Member of the NORD DRIVESYSTEMS Group



Getriebebau NORD GmbH & Co. KG

Getriebebau-Nord-Straße 1 • 22941 Bargteheide, Germany • www.nord.com

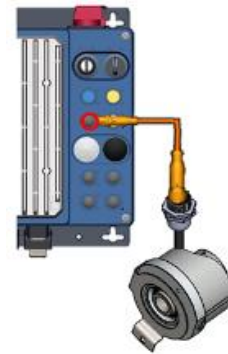
SC S5Y0.25 M12-A5SPM M12-A5SPF xxx

Cable Signal IGx2P5

Scope of supply

NORD signal cable
Preconfigured for connection via two plugs.

Name	p/n	Length
SC S5Y0.25 M12-A5SPM M12-A5SPF 1	275 274 879	1.0 m
SC S5Y0.25 M12-A5SPM M12-A5SPF 1.5	275 274 874	1.5 m
SC S5Y0.25 M12-A5SPM M12-A5SPF 2	275 274 875	2.0 m
SC S5Y0.25 M12-A5SPM M12-A5SPF 3	275 274 876	3.0 m
SC S5Y0.25 M12-A5SPM M12-A5SPF 5	275 274 877	5.0 m
SC S5Y0.25 M12-A5SPM M12-A5SPF 10	275 274 878	10.0 m



Field of use

The IG cable is usable for pluggable connection between inverter and Incremental Encoder with IGx2P5 (5-pole) option. The transmitted **HTL-Signal is with Zero-Track**.

Examples for using to connect an inverter:

- **IG Connection (HTL)**

Inverter:

→ via SK TIE4-M12-HTL-A0

Incremental Encoder with 5-pole plug:

→ via 5-pole IG12P5 / IG22P5 / IG42P5

It only is allowed for qualified electricians to install and commission the module. An electrician is a person who, because of their technical training and experience, has sufficient knowledge relating to

- switching on, switching off, isolating, earthing and marking power circuits and devices,
- proper maintenance and use of protective devices in accordance with defined safety standards.

Technical Information / Datasheet	SC S5Y0.25 M12-A5SPM M12-A5SPF			
Specification of connection cable	TI 275274874-879	3.2	2921	en

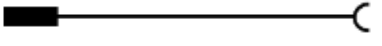
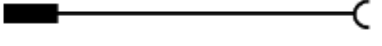


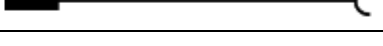
Technical Data

Specification	Side A
Number of contacts	5
Coding	A – coded
Type of contact	Male (M)
Screw	M12x1 (Screw)
Housing type	Straight
Housing material	Plastic
Protection (screwed)	IP67
Breakaway torque	0,6 Nm
Pollution degree	3

Specification	Side B
Number of contacts	5
Coding	A – coded
Type of contact	Female (F)
Screw	M12x1 (Nut)
Housing type	Straight
Housing material	Plastic

Cable	Specification
AWM Style	20233
Cross section	0.25 mm ²
Bending radius	4x cable diameter
Outside diameter	ca. 7.1 mm
Operating temperature	-10 ... + 80°C
Operating voltage	60 V DC
Installation type	Fixed laying
Jacket material	PUR
Jacket colour	Grey (RAL 7001)
Cable shield	Yes
Drag chain compatibility	No
Halogen-free	Yes
Flammability test acc. to	FT2 (CSA)

PIN assignment:

Wire colour	PIN Male (M) Side A	Schematic diagram	PIN Female (F) Side B	Function
Pink	1		1	+24 V
Green	2		2	B-Track
Grey	3		3	GND
Brown	4		4	A-Track
Yellow White	5		5	0-Track

