

Safety encoder of NORD can increase the safety of machines and applications by implementing safety functions for speed, positioning, and rotation.

A subordinate safe encoder evaluation device or safety controller is required.

The connection of safety encoder to NORD motor is engineered and controlled for fault exclusion.

The encoder internal diagnostics do not trigger actions such as safe state autonomously.

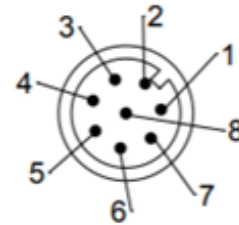
Available Safety Encoder

Technical Data		IG24	IG24P
Interface		Sin/Cos	Sin/Cos
Resolution	ppr	2048	2048
Operating voltage	[V]	10...30	10...30
Max. output frequency	[kHz]	400	400
Max. operating speed	[r/min]	6000	6000
Ambient temperature	[°C]	-40°C...+90°C	-40°C...+90°C
Protection class		IP67	IP67
Max current consumption	[mA]	45	45
Connection		Cable 1.5 m	M12 / 8-pole

Further safety encoder on request.

Terminal Assignment

Signal	Color	Pin
0 V	White	1
+ V	Brown	2
A	Green	3
A-	Yellow	4
B	Grey	5
B-	Pink	6
-	-	7
-	-	8



Standards for Safety Encoder

These encoders are suitable for use in safety-related systems up to SIL3 acc. to EN 61800-5-2 and PLe to EN ISO 13849-1 in conjunction with controllers or evaluation units, which possess the necessary functionality.

Safety Functions

These encoders support safety subfunctions acc to EN 61800-5-2 as:

- ▶ SS1, SS2, SOS, SLS, SSM, SSR, SDI, SLA, SAR, SLI

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