

KOSTAL^r**ize**

your application

INVEOR – Motor-mounted frequency inverter

for railway applications

EN 50155:2022
compliant



KOSTAL

KOSTAL Industrie Elektrik GmbH & Co. KG

Lange Eck 11
58099 Hagen
Germany

Telephone: +49 2331 8040-468

sales-industrial@kostal.com
www.kostal-drives-technology.com



Our motor-mounted frequency inverters are of the highest quality and reliability. The devices have been extensively tested for railway applications and meet the requirements of the EN50155:2022 standard.

- Robust aluminium housing
- Protection class: IP55
- Temperature range: -40 bis +50°C
- Power range: 11 – 22 kW (further sizes planned)
- Heavy duty vibration resistance*
- Built-in mains filter
- Easy installation thanks to pluggable connectors (optional)
- Diverse fieldbus options

*DIN EN 60068-2-6: 50 m/s² | 60...160Hz;
noise: 10-1000 Hz



Officially proven properties

railway application

temperature shock

air humidity

vibration

fire protection

standard	description	INVEOR M
EN 50155:2022	railway application – electronic equipment	compliant
EN 61373:2010	railway application – shock and vibration tests	category 1 / class B
EN 60068-2-1	test A: cold	passed
EN 60068-2-2	test B: dry heat	passed
EN 60068-2-11	test Ka: salt spray	passed
EN 60068-2-27	test Ea: shock	passed
EN 60068-2-30	test Db: humid heat, cyclical	passed
EN 60068-2-64	test Fh: vibration, broadband, random	passed
EN 45545:2013	railway application – fire protection	HL3

recommended engine power [kW]	11,0	15,0	18,5	22,0
input	3 x 200 VAC -10%...480 VAC +10 % / 50/60 Hz ± 6 %			
nominal output current [A]	28,0	34,0	40,0	48,0