

Model DN944 Switch Amplifier, 4-channel with Transistor Output



Product features

- Input for NAMUR proximity switches, mechanical contacts or optocouplers
- Common line fault detection
- EMC acc. to EN 61326 and NE21
- Galvanic isolation between input and output
- Ex ia/ib approved

Technical data:

Input	NAMUR specification
Switching points	ON: > 2.1 mA, OFF: < 1.2 mA
Current rating	1.65 mA ± 0.2 mA hysteresis
LFD level	open circuit < 0.2 mA, short circuit > 6.8 mA
Output	open collector
Transistor	50 mA at 30 V or 100 mA at 12 V
UCE sat	< 1.5 V
Response time	500 µs
Max. frequency	1 KHz
Power supply	20 - 30V DC
Power consumption	< 1.6 W
Ambient temperature	-20 °C ... +60 °C
Relative humidity	< 95 % (30 d/a), no condensation

Explosion protection:

Category	II (1) GD [EEx ia] II C
EC-Type Examination	DMT 03 ATEX E070 X
Safety values	Voc= 9.58 V, Isc= 9.7 mA, Po = 23.2 mW

Ordering details

Type	Ex-protection	Channels	Order No.
DN944	ia/ib	4	GHG 122 3141 F 1009

