

Model 4/127 Thermocouple Converter



Product features

- Converter for all thermocouples
- mV input
- DIN rail mounted
- Plug-in screw connectors
- Short circuit protected output
- EEx ia/ib approved
- Off-line programmable (powered by PC)
- 3 port isolation
- EMC to EN 61326 and NE21

Technical data:

Range	-75 mV + 75 mV
mV	(smallest span 5 mV for 0.1 %)
Thermocouple	B, E, J, K, N, R, S, T,
DIN / IEC 43710	L, U and Pallaplat
Cold junction compensation	internal or external
Output	4 - 20 mA
Load	< 750 Ω
Burn-out feature	Output selectable 0, > 100 %, frozen
Line fault detection (LFD)	> 1 k Ω
Linearity	< 0.1 %
Temperature drift	< 0.1 % / 10 K
Response time	< 150 ... 600 ms depending on mode
Power supply	20.4 - 30 V DC (< 1.5 W)
Weight	160 g
Ambient temperature	-20 °C ... +60 °C
Relative humidity	< 95 %, no condensation

Explosion protection:

Category	II (1) GD [EEx ia] IIC
EC-Type Examination	TÜV 97 ATEX 1165
Safety values	Voc=1.8 V, Isc= 22 mA, Po = 32 mW, R = 495 Ω Characteristic: trapezoidal

Ordering details

Type	Ex-protection	Order No.
4/127	ia/ib	GHG 131 3100 M 0006
4/127	-	GHG 131 3000 M 0006

Accessories

Type	Order No.
Configuration cable	GHG 139 0028 C 0000

