

Model DN424 SMART Transmitter Power Supply, Input Isolator, 2-channels



Product features

- Power supply for 2- and 3-wire 4-20 mA transmitters
- Short circuit protected outputs
- EMC acc. to EN 61326 and NE21
- Ex ia/ib approved
- Galvanic isolation between input and output
- HART Communication for all major brands

Technical data:

Field device power supply	15V at 20 mA
Input voltage drop (input isolator)	< 1V
Output signal	0/4 - 20 mA
Load	(0/1 - 5 V, 0/2 - 10 V: via internal shunt)
Linearity	< ± 0.1%
Temperature drift	< 0.1% / 10K
Response time	50 ms (10 - 90%)
Power supply	20 - 30 V DC
Power consumption	2.7 W max.
Band width	0.5 - 40 KHz (3 dB)
Weight	175 g
Ambient temperature	-20 °C ... +60 °C
Relative humidity	< 75 % (average)
	< 95 % (30 d/a), no condensation

Explosion protection:

Category	II (1) G D [EEx ia] II C
EC-Type Examination	DMT 03 ATEX E070 X
Safety values	Voc = 27 V, Isc = 93 mA, Po = 625 mW (2-3, 6-7) Voc = 1.2 V, Isc = 45 mA, Po = 13 mW (3-4, 7-8)

Ordering details

Type	Ex-protection	Channels	Order No.
DN424	ia/ib	2	GHG 124 3121 P 1209

