

Model 8/420 SMART Transmitter Power Supply Input Isolator

Model will be replaced by DN420



Product features

- Power supply for 2- and 3- wire 4 - 20 mA transmitters
- HART communication for all major brands
- DIN rail mounted
- short circuit protected outputs
- EMC to EN 61326 and NE21
- EEx ia/ib approved
- Galvanic isolation between input and field side

Technical data:

Field device power supply	17 V at 20 mA
Load	510 Ω (18 V)
	800 Ω (24 V)
HART communication	across load or via front socket
Response time	2.2 ms (10 - 90 %)
Linearity	< 0.1 %
Temperature drift	< 0.1 % / 10 K
Band width	0 - 12 kHz
Power supply	20 - 30 V DC
Power consumption	2.1 W
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 1170
Safety values	Voc = 28 V, Isc = 93 mA, Po = 650 mW
	Voc = 0.7 V, Isc = 32 mA, Po = 6 mW (Isolator)

Ordering details

Type	Ex-protection	Order No.
8/420	ia/ib	GHG 124 3111 M 1109
8/420	-	GHG 124 3011 M 1109

