

Model 6/420 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
- Galvanic isolation between input, output and power supply
- EMC to EN 61326 and NE21
- EEx ia/ib approved

Technical data:

Field device power supply	17 V at 20 mA ($V_{oc} = 28$ V), 15 V at 20 mA ($V_{oc} = 24$ V)
Load	800 Ω (550 Ω with HART*)
HART communication	across load or via front socket
Linearity	< 0.1 %
Temperature drift	< 0.1 % / 10 K
Response time	2.2 ms (10 - 90 %)
Band width	0 - 12 KHz
Power supply	20 - 26.4 V AC 20 - 30 V DC
Power consumption	3.1 VA / 2.2 W
Ambient temperature	-20 °C ... +60 °C
Relative humidity	< 95 %, no condensation

Explosion protection:

Category	II (1) GD [EEx ia] IIC
EC-Type Examination	TUV 97 ATEX 1170
Safety values	$V_{oc} = 28$ V, $I_{sc} = 93$ mA, $P_o = 650$ mW $V_{oc} = 23.9$ V, $I_{sc} = 76$ mA, $P_o = 460$ mW $V_{oc} = 0.7$ V, $I_{sc} = 32$ mA, $P_o = 6$ mW (Isolator)

Ordering details

Type	Ex-protection	Order No.
6/420-1	ia/ib, $V_{oc} = 28$ V, $I_{sc} = 93$ mA	GHG 124 3111 K 1206
6/420-4	ia/ib, $V_{oc} = 23.9$ V, $I_{sc} = 76$ mA	GHG 124 3411 K 1206
6/420	-	GHG 124 3011 K 1206

