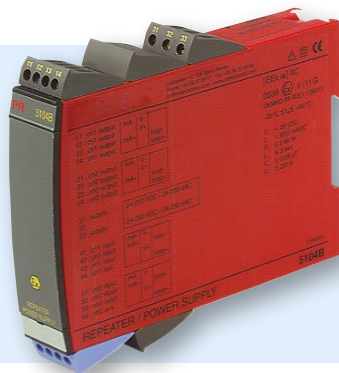
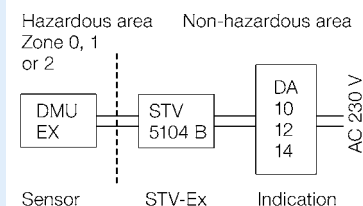


# EX supply isolation amplifier STV 5104 B



- Single- or dual-channel version
- 2-wire supply
- > 18 V at 20 mA
- 20 programmable measuring ranges
- Universal AC or DC supply

Connection diagram



**Description** STV 5104 B is used to supply, galvanically isolate and amplify 2-wire and 3-wire transducers in hazardous areas. Input and output are galvanically isolated with a high degree of isolation.

## Technical specifications

### Housing

DIN rail housing  
W x H x D 23.5 x 109 x 130 mm

### Degree of protection

IP 20 (EN 60529)

### Supply voltage

AC 21.6–253 V  
DC 19.2–300 V

### Power input

≤ 3 W

### Sensor supply

DC 18–28 V  
(> 18 V at 20 mA)

### Inlet

0(4)–20 mA  
0–10 V

### Output

0(4)–20 mA (galv. isolated)  
0–10 V  
1:1 with ref to input value

### Accuracy

≤ 0.1 % FS

### Temperature coefficient

≤ 0.01 % FS/°C

### Response time

< 25 ms

### Operating temperature range

Ambient: -20/+60 °C

### Calibration temperature

20–28 °C

### EX data

$U_m$  ≤ 250 V  
 $U_o$  28 V DC  
 $I_o$  93 mA DC  
 $P_o$  ≤ 0.65 W  
 $L_o$  ≤ 3 mH  
 $C_o$  ≤ 0.08 μF

### EX approvals

DEMKO 99 ATEX 126013  
⚠ II (1) GD [EEx ia] II C,  
applied to zone 0, 1 or 2 or  
20, 21 or 22

### Compliance

EMC: 2014/30/EU  
Low Voltage  
Directive: 2014/35/EU  
ATEX: 2014/34/EU  
PELV/SELV: IEC 364-4-41  
and EN 60 742  
UL: UL 913, UL 508  
DNV Marine: Vers. f. Certific. No. 2.4

DG: H, PG: 4	Part no.	Price €
<b>EX supply isolation amplifier STV 5104 B, 1 channel</b>	53720	
<b>EX supply isolation amplifier STV 5104 B, 2 channels</b>	53721	

Blue part no. = in-stock items