



P10

- DC TRANSDUCER

P10 ensures galvanic isolation between input, output and the supply circuit. The transducer meets all the requirements concerning EMC according to EN 61010 standard.

PRODUCT FEATURES:

- Electric Isolation for standard DC signals.
- User selectable type and range of input.
- Solves grounding problem in meshed signal networks.
- High electric isolation between input and output 2.3 kV, and power supply versus all other circuits 3.7 kV.

TECHNICAL SPECIFICATIONS

INPUT:

- input ranges acc. to table 1

OUTPUT:

- d.c. current ranges: 0...20 mA, 4...20 mA
- Burden voltage: 12 V
- External Resistance $R_{EXT MAX} [k\Omega] = 12V / I_{AN} [mA]$
- Voltage limiter at $R_{EXT} = \infty$: 15V for current output
- Residual ripple in Output current: < 0.5% p.p.
 I_{AN} - output full scale value
- d.c. voltage ranges: 0...10 V, 2...10 V
- Burden $R_{EXT MIN} [k\Omega] = U_{AN} [V] / 5 mA$
- Current limiter at $R_{EXT} = 0$: 30 mA for voltage output
 U_{AN} - output full scale value
- Response time: < 50 ms

ACCURACY (acc. to IEC 60770):

- Basic Accuracy: limit error < $\pm 0.2\%$ including linearity and reproducibility errors

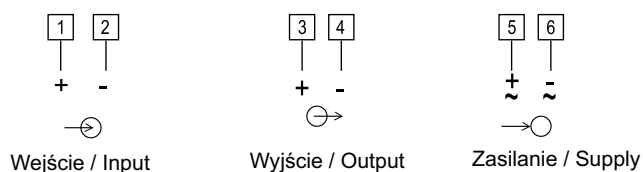
SUPPLY:

- High auxiliary supply: 60 - 300 V a.c. / d.c., 45 do 400 Hz
- Power consumption: < 1,6 W
- Low auxiliary supply: 24 - 60 V a.c. / d.c., 45 do 400 Hz
- Power consumption: < 3,4 VA

OTHER:

- Dimensions: 22.5 x 65.5 x 106.5 mm
- Mounting: DIN RAIL (or onto a wall or in panel using optional screw hole bracket)
- Enclosure protection: IP40 - front, IP20 - terminal

SCHEMATY PODŁĄCZEŃ | CONNECTION DIAGRAM



KOD ZAMÓWIENIA | ORDERING CODE

Przetwornik DC/ DC Transducer P10	XX	XX	X	XXXXXX	X	X
Sygnal wejściowy d.c. / d.c. Input signal:						
patrz tabela 1 / see table 1	XX					
Sygnal wyjściowy/ Output signal:						
0...20 mA		32				
4...20 mA		55				
0...10 V		5H				
2...10 V		3C				
Zasilanie/ Power supply:						
60...300 V a.c./d.c.			H			
24...60 V a.c./d.c.			F			
Wykonanie/ Version:						
standardowe/ standard				000000		
specjalne*/ custom-made*				XXXXXX		
Wersja językowa/ Language:						
wersja polska/angielska					M	
Próby odbiorcze/ Acceptance tests:						
bez dodatkowych wymagań/ without extra quality requirements					0	
z atestem Kontroli Jakości/ with an extra quality inspection certificate					1	
ze świadectwem wzorcowania/ with calibration certificate					2	
wg uzgodnień z odbiorcą/ according to customer's request					X	

* tylko po uzgodnieniu z producentem/ after agreeing with the manufacturer

Tabela 1 / Table 1			
Sygnal wejściowy d.c. / d.c. Input signal:			
Zakres/ Range	Code	Zakres/ Range	Code
0...20 mA	32	0...1 V	5A
1...5 mA	53	0...2 V	5B
4...20 mA	55	0...5 V	5F
0...0,1 mA	22	0...20 V	5L
0...0,2 mA	23	0...40 V	5X
0...0,5 mA	25	0,2...1 V	3A
0...1 mA	26	4...20 V	3D
0...2 mA	27	0...48 V	5Y
0...5 mA	29	0...60 V	5Z
0...10 mA	30	0...150 V	6A
0...40 mA	37	0...300 V	6B
0...80 mA	38	0...4 V	5C
0...100 mA	35	0...15 V	5G
0,2...1 mA	52	0...50 V	5I
2...10 mA	54	0...30 V	5K
0...10 V	5H	0...24 V	5J
2...10 V	3C	0...110 V	5N
1...5 V	3B	0...50 mV	2C
0...75 mV	2H	0...75 V	2D
0...60 mV	2E	0...250 V	2F
0...100 mV	2K	0...200 V	2J
0...200 mV	2M	0...36 V	2L
0...500 mV	2Q		