

Electronic Products

PISO Series Passive Isolators



Type		PISO-DC-1 (0-20mA/0-20mA)	PISO-DC-1 (4-20mA/4-20mA)	PISO-DC-1 (0-20mA/0-10V)	PISO-DC-1 (0-20mA/0-5V)	PISO-DC-2 (0-20mA/0-20mA)
Definiton		Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator
Order Number		602800	602801	602802	602803	602850
Casing Width(mm)		17,5	17,5	17,5	17,5	17,5
Connections		Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Input	Number of Channels	1 pc.	1 pc.	1 pc.	1 pc.	2 pc.
	Signal type	0-20mA	4-20mA	0-20mA	0-20mA	0-20mA
	Maximum input signal	50mA	50mA	50mA	50mA	50mA
Output	Number of Channels	1 pc.	1 pc.	1 pc.	1 pc.	2 pcs.
	Signal Type	0-20 mA	4-20 mA	0-10 V	0-5 V	0-20 mA
	Max. Current	24 mA	24 mA	-	-	24 mA
	Max. Voltage	-	-	12 V	12 V	-
	Ripple	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)
	Load Resistance	≤ 250Ω	≤ 250Ω	≥ 5MΩ	≥ 5MΩ	≤ 250Ω
Isolation		1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms
Measurement error(Full Scale)		< %0.1	< %0.1	< %0.2	< %0.2	< %0.1
Response Time		20 ms	20 ms	20 ms	20 ms	20 ms
Temperature coeff icient		<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K
Permissible ambient temperature	During operation	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
	During storage	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Relative Humidity		Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
Type		PISO-DC-1 (0-20mA/0-20mA)	PISO-DC-1 (4-20mA/4-20mA)	PISO-DC-1 (0-20mA/0-10V)	PISO-DC-1 (0-20mA/0-5V)	PISO-DC-2 (0-20mA/0-20mA)
Degree of protection		IP20	IP20	IP20	IP20	IP20
Permissible mounting position		any	any	any	any	any

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PISO-DC-2 (4-20mA/4-20mA)	PISO-DC-2 (0-20mA/0-10V)	PISO-DC-2 (0-20mA/0-5V)	PISO-DC-DU0 (0-20mA/0-20mA, 0-20mA)	PISO-DC-DU0 (4-20mA/4-20mA, 4-20mA)	PISO-DC-DU0 (0-20mA/0-10V, 0-10V)	PISO-DC-DU0 (0-20mA/0-5V, 0-5V)
Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator	Passive DC Signal Isolator
602851	602852	602853	602700	602701	602702	602703
17,5	17,5	17,5	17,5	17,5	17,5	17,5
Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal	Screw terminal
2 pc.	2 pc.	2 pc.	1 pc.	1 pc.	1 pc.	1 pc.
4-20mA	0-20mA	0-20mA	0-20mA	4-20mA	0-20mA	0-20mA
50mA	50mA	50mA	50mA	50mA	50mA	50mA
2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.	2 pcs.
4-20 mA	0-10 V	0-5 V	0-20 mA	4-20 mA	0-10 V	0-5 V
24 mA	-	-	24 mA	24 mA	-	-
-	12 V	12 V	-	-	12 V	12 V
< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)	< 20 mV (full scale)
≤ 250Ω	≥ 5MΩ	≥ 5MΩ	≤ 250Ω	≤ 250Ω	≥ 5MΩ	≥ 5MΩ
1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms	1.5 kVrms
< %0.1	< %0.2	< %0.2	< %0.1	< %0.1	< %0.2	< %0.2
20 ms	20 ms	20 ms	20 ms	20 ms	20 ms	20 ms
<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K	<50 ppm/K
-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C	-20 to +60 °C
-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C	-40 to +75 °C
Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)	Max.95% (no condensation)
PISO-DC-2 (4-20mA/4-20mA)	PISO-DC-2 (0-20mA/0-10V)	PISO-DC-2 (0-20mA/0-5V)	PISO-DC-DU0 (0-20mA/0-20mA, 0-20mA)	PISO-DC-DU0 (4-20mA/4-20mA, 4-20mA)	PISO-DC-DU0 (0-20mA/0-10V, 0-10V)	PISO-DC-DU0 (0-20mA/0-5V, 0-5V)
IP20	IP20	IP20	IP20	IP20	IP20	IP20
any	any	any	any	any	any	any