

Version 12

JK 2000

Loop Isolator





Swappable
plug in and out

The galvanic separator JK 2000, self-powered loop isolator, allows to solve the problems of common points for complex measurement circuits and to reduce the spread of interferences.

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Presentation

This range of isolators comes in a small footprint case which can be snapped into the symmetrical or asymmetrical DIN rail.

We have also a version that uses our BASELINE, and allows the loop isolator to be hot swappable.

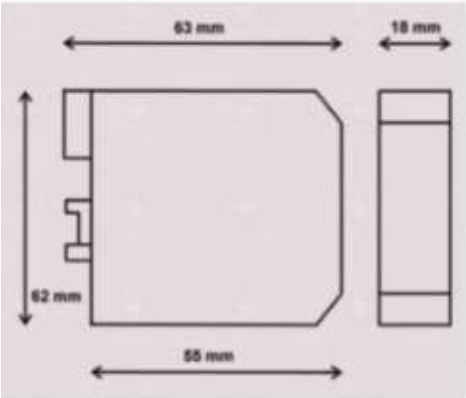
JK 2000 is guaranteed 5 years.

Range

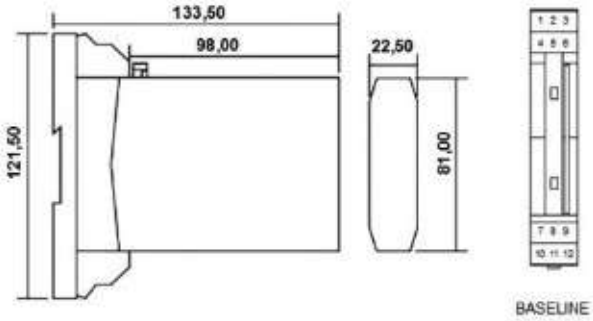
Isolator	**Inputs** Current		**Outputs** Current		**Impedance**		
	Number of channels		Number of channels				
	1	2	1	2	150Ω<Rc<550Ω	0Ω<Rc<250Ω	0Ω<Rc<350Ω
JK2001 - JK2001D	✓		✓		✓		
JK2002	✓	✓	✓	✓	✓		
JK20S1	✓		✓			✓	
JK20S2	✓	✓	✓	✓		✓	
JK20A2	✓	✓	✓	✓			✓

Dimensions

JK2000



JK2001D



JK2000 - Dimensions : width : 18 mm - Height : 62 mm - Depth : 55 mm

JK2001D - Dimensions : width : 22,5 mm - Height : 81 mm - Depth : 98 mm

BASELINE boards are to be ordered separately

22,5 mm Case : Reference BL01ALV

For multi-converter boards, please consult us.

Inputs - Outputs

Input gauge

Current (continuous)	0…4…20mA

Output gauge

Output Current	0…4…20mA

Characteristics

Input characteristics	
Input maximum voltage	<28Vdc
Internal voltage drop	<1.3Vdc
Input maximum current	<50mA
Output characteristics	
Permissible impedance on the current output	2001/2001D/2002 : 150Ω<Rc<550Ω 20S1/20S2 : 0Ω<Rc<250Ω 20A2 : 90Ω<Rc<440Ω
Isolation	
Input / Output(s)	2000Vrms, 50Hz, 1mn
Input x / Input y	2500Vrms, 50Hz, 1mn Mechanically and electrically independent
Output x / Output y	2500Vrms, 50Hz, 1mn Mechanically and electrically independent
Auxiliary source	
Voltage supply	Self-Powered by the Entry loop

General characteristics	
Precision class	0,15
Response time	<30ms
Thermal drift	<50ppm
Operating temperature	-10°C … +60°C
Storage temperature	-25°C … +80°C
Protection factor	IP20 self-extinguishing polyamide housing V0 (black for JK2001D)

Options listing

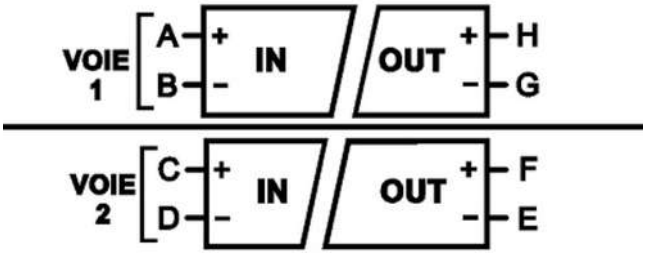
Option	Code device
Lightning shock resistance Rapport LCIE 60031114-529387	JK 200X-F ou JK20SX-F JK2001D-F

Wiring

JK2001 - JK20S1



JK2002 - JK20S2 - JK20A2



JK2001D

