

INTELLPAK DC Isolator | IP50DCS/DCE

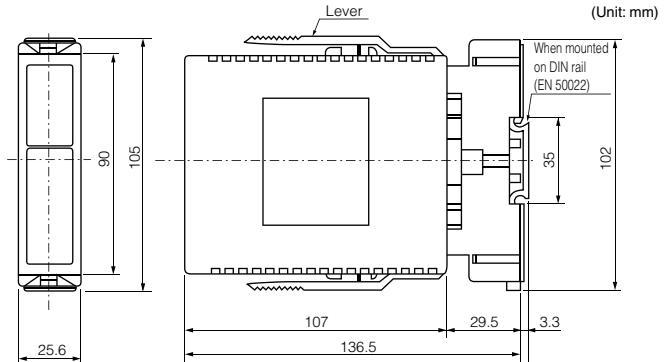
The INTELLPAK IP50DCS/DCE is a thin, plug-in type, DC isolator used to isolate input, output and power supplies mutually. Each signal level is isolated from the other circuits and the input signals are amplified and converted to a single standard signal that is output for use in a measurement control system.



Specifications

Input	Input type	DC voltage and DC current, Refer to Table 1.		
Output	Output type	DC voltage and DC current, Refer to Table 2.		
General specifications	Accuracy	±0.1% FS at the reference temperature of 23 °C		
	Response time	Standard speed type: 25 ms for 90% response time, high speed type: 120 μs for 90% response time		
	Power supply type	AC		DC
	Rated power supply voltage	100/110/120 Vac 50/60 Hz	200/220/240 Vac 50/60 Hz	24 Vdc
	Power consumption	Approx. 4.5 VA		Approx. 2.2 VA
	Weight	Approx. 200 g (including base socket)		

External dimensions



Model No. configuration

Ex.: IP50DCS10ADT0

Basic model No.	Input type	Output type	Power supply voltage	Addition	Description
IP50DCS					Standard speed type DC isolator
IP50DCE					High speed type DC isolator
Select from Table 1 ▶	Select from Table 2 ▶				
		A			100/110/120 Vac 50/60 Hz
		B			200/220/240 Vac 50/60 Hz
		D			24 Vdc
				00	None
				T0	Tropicalization treatment
				D0	Inspection certificate
				B0	Tropicalization treatment + inspection certificate
				Y0	Supports traceability certification

Table 1. Input list

Additional code	Input type	Input impedance
10	0 to 10 mV	1 MΩ
11	0 to 100 mV	1 MΩ
12	0 to 1 V	1 MΩ
13	0 to 5 V	1 MΩ
14	1 to 5 V	1 MΩ
15	0 to 10 V	1 MΩ
16	0 to 50 mV	1 MΩ
17	0 to 60 mV	1 MΩ
18	0 to 30 V	1 MΩ
19	0 to 50 V	1 MΩ
20	±10 mV	1 MΩ
21	±50 mV	1 MΩ
22	±100 mV	1 MΩ
23	±1 V	1 MΩ
24	±5 V	1 MΩ
25	±10 V	1 MΩ
30	0 to 10 μA	1 kΩ
31	0 to 100 μA	100 Ω
32	0 to 1 mA	100 Ω
33	0 to 10 mA	50 Ω
34	0 to 16 mA	50 Ω
35	0 to 20 mA	50 Ω
36	4 to 20 mA	50 Ω
40	±1 mA	100 Ω
41	±20 mA	50 Ω

Table 2. Output list

Additional code	Output type	Allowable load resistance
A	4 to 20 mA	750 Ω or less
B	1 to 5 mA	3 kΩ or less
C	2 to 10 mA	1.5 kΩ or less
D	0 to 1 mA	15 kΩ or less
E	0 to 10 mA	1.5 kΩ or less
F	0 to 16 mA	937 Ω or less
G	0 to 20 mA	750 Ω or less
H	1 to 5 V	2.5 kΩ or more
J	0 to 10 mV	10 kΩ or more
K	0 to 100 mV	100 kΩ or more
L	0 to 1 V	500 Ω or more
N	0 to 5 V	2.5 kΩ or more
P	0 to 10 V	5 kΩ or more
R	±10 V	5 kΩ or more

Optional parts (separately sold)

Name	Model No.
Vibration isolation bracket	QN718A

Note: In IP50DCS/DCE, the input type 0 to 10 μA can be selected, but it cannot be used for converting the frame current of protect relay and frame relay.