

IDC Series

DC Input Module

UL File E29244

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Features

- Industry standard package and pin-out.
- Color coded by function.
- 4000V rms optical isolation.
- High immunity to false operation.
- Series compatible.
- Compatible with 2IOM series mounting boards.

Engineering Data

Switch Form: 1 Form A (SPST-NO)

Duty: Continuous.

Operating Temperature: -30°C to +80°C.

Storage Temperature: -30°C to +100°C.

Potting Compound Flammability: UL94V-0.

Solderability: 260°C for 5 seconds, maximum.

Approximate Weight: 1.38 oz. (35g).

Ordering Information

Typical Part Number >

IDC

-5

A

1. Basic Series: IDC = DC input module - white case

2. Logic Voltage: 5 = 5VDC
15 = 15VDC
24 = 24VDC

3. Input: Blank = 3.3-32VDC input **
A = 10-60VDC input **
F = 4-32VDC input & fast turn-on & turn-off times **

** Is not polarity sensitive.

Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.

IDC-5
IDC-24

IDC Series (Continued)

DC Input Module

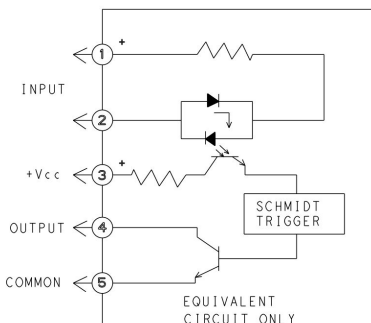
Input Specifications

Parameter	Conditions	Units	IDC-5			IDC-5A			IDC-5F		
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
Control Voltage Range V_{IN}		VDC	3	24	32	10	30	60	4	24	32
Must Operate Voltage $V_{IN(OP)}$		VDC			3			10			4
Must release Voltage $V_{IN(REL)}$		VDC	1			1			1		
Maximum Input Current	@ $V_{IN}=Max.$	mA		0.1 - 10			0.1 - 10			0.1 - 10	
Input Resistance		Ohms		3200			6000			3200	

Output Specifications (@ +25°C unless otherwise specified)

Parameter	Conditions	Units	IDC-5			IDC-15			IDC-24		
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
Maximum Output Voltage		VDC			30			30			30
Maximum Output Current		mADC			50			50			50
Maximum Output Leakage Current	$V_{OUT}=Max.$	μ ADC			10			10			10
Maximum Output Voltage Drop	$I_{SINK}=50mA$	VDC			0.2			0.2			0.2
Logic Supply Voltage V_{CC}		VDC	3	5	6	12	15	18	20	24	30
Logic Supply Current	$V_{CC}=Max.$	mADC			15			15			15
Turn-On Time (Nominal)	$I_{SINK}=25mA$	ms		1			1			1	
Turn-Off Time (Nominal)	$I_{SINK}=25mA$	ms		1			1			1	
Output Type (Open Collector)			Normally Open (SINKING)			Normally Open (SINKING)			Normally Open (SINKING)		

IDC Operating Diagram



Outline Dimensions

