



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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LDX-D20

Active ORing Controller

LDX-D20 is a Universal Active ORing Controller used for redundant connection of two DIN rail DC power supplies of same rating, with any voltage in the range 12 – 85 VDC and Load Current ≤ 20 A.



Key Features & Benefits

- Ultra Compact Redundancy Module
- Wide input voltage range: 12 – 85 VDC (on a single model)
- Out: 20 A Max
- Extremely low loss up to 99% efficiency
- Pluggable connectors
- Hot pluggable
- Up to 70°C operating temperature with no derating



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1. TECHNICAL SPECIFICATIONS

PARAMETER	DESCRIPTION / CONDITION	SPECIFICATION	
Input DC Voltage Range		12 - 85 VDC	
Maximum Input Current		20 A	
Output DC Voltage Range		12 - 85 VDC	
Maximum Continuous Output Current		20 A	
Peak Output Current		> 100 A	
Conduction Resistance		< 9 mΩ	
Maximum Dissipated Power		< 4 W	
No Load Input Power		< 0.2 W	
Status Signals	IN1 OK green LED IN2 OK green LED Redundancy IN1OK & IN2OK simultaneously Dry contact (1 A / 30 V)		
Input Protection	Overvoltage Reverse polarity connection	≥ 100 V	
Operating Temperature	No derating	- 40°C to 70°C	
Storage Temperature		- 40°C to +80°C	
Humidity	Non-condensing	5 - 95% r.H.	
Overvoltage Category		III	
Pollution Degree		2 (IEC664-1)	
Insulation Enclosure To Live Parts		0.75 kVDC	
Safety Standards	UL508 (reference) EN60950 (reference)		
EMC	Emission	EN55022:2010 (CISPR22)	Class A
		EN55011:2009 /A1:2010	Class A
	Immunity	EN61000-4-2:2008	Level 3
		EN61000-4-3:2006 /A2:2010	Level 3
		EN61000-4-4:2012	Level 3
		EN61000-4-5:2014	Level 1
	EN61000-4-11:2004 /A1:2010	Level 2	
Protection Degree	EN60529:1989 /A:2013	IP20	
Vibration Sinusoidal	IEC 60068-2-6:2007	5-17.8 Hz: ±1.6 mm; 17.8-500 Hz: 2g 2 Hours / axis (X,Y,Z)	
Shock	IEC 60068-2-27:2008	30 g 6 ms, 20g 11ms; 3 bumps / direction, 18 bumps total	

NOTES:

- Technical parameters are typical, measured in laboratory environment at 25°C and 240 VDC.
- Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.
- Data may change without prior notice in order to improve the product.

2. MECHANICAL SPECIFICATIONS

PARAMETER	DESCRIPTION / CONDITION	SPECIFICATION
Weight		250 g
Dimensions		35 x 103 x 104 mm
Mounting Rail		IEC 60715/H15/TH35-7.5(-15)
IN / OUT Connectors	Pluggable screw type (24 – 12 AWG), 6 poles	2.5 mm ²
Dry Contact Connector	Pluggable screw type (24 – 12 AWG), 2 poles	2.5 mm ²
Case Material	Aluminum	

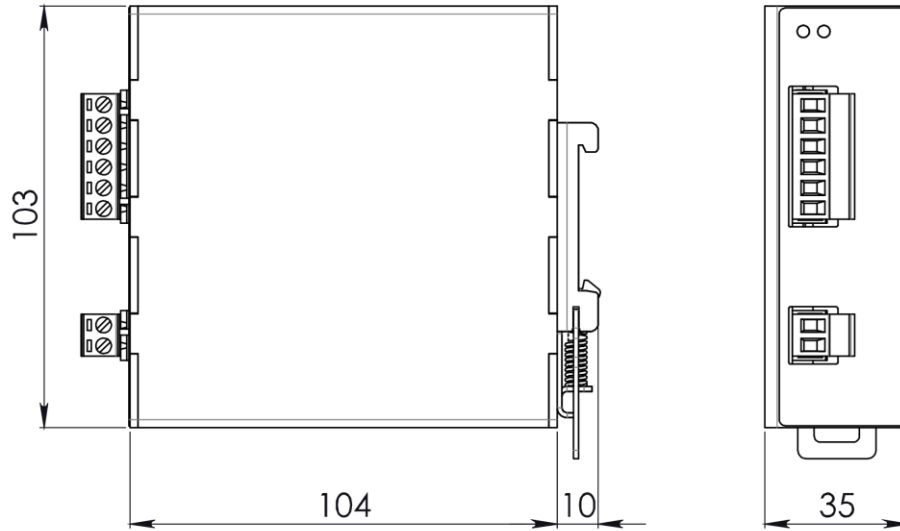


Figure 1. Mechanical Drawing

3. PIN LAYOUT & DESCRIPTION



INPUT CONNECTION
• IN1 (+/-) = connect DC (+/-) power supply
• IN2 (+/-) = connect DC (+/-) power supply

OUTPUT CONNECTION
• OUT (+/-) = connect DC (+/-) Load
• Dry contact = NC

For more information on these products consult: tech.support@psbel.com

NUCLEAR AND MEDICAL APPLICATIONS - Products are not designed or intended for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems.

TECHNICAL REVISIONS - The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.



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