



## DPX15W Series

Single and Dual Output 15W Din Rail Mount  
DC-DC Converters

- Single and dual output
- Meet EN55022 Class B
- Input fuse protection
- Input reverse polarity protection
- Input in-rush current protection
- Overload and short circuit protection
- Over voltage protection
- Reliable snap-on for DIN rail TS-35/7.5 or TS-35/15
- I/O-isolation 1600 VDC
- Output DC-OK indicator

### Key Market Segments & Applications

Communication Systems, Industry Control Systems  
Factory Automation, Semiconductor Equipment

### DPX15W Features and Benefits

#### Features

- CE Approvals
- Wide Range Input

#### Benefits

- Easier System Approvals
- Less Parts to Inventory

#### Specifications

ITEMS	DPX15W	
Rated Input voltage range	24V nominal input 9.5-36VDC	48V nominal input 18-75VDC
Switching Frequency	400kHz, typ	
Maximum Input Current	See Table	
Input Fuse	24V input, 6A Fuse	48V input, 4A fuse
Max Output Power (W)	See Table	
Voltage Accuracy	Single/Dual $\pm 1.2\%$ / Single (3.3V) $\pm 2.0\%$	
Line Regulation (LL to HL at full load)	Single $\pm 0.2\%$ / Dual 0.5%	
Ripple and Noise	20MHz bandwidth	See table
Start up time (Nominal Vin and constant resistive load)	Power up 100mS, typ	
Remote on/off (option) (Note 2)	POSITIVE logic: ON: Open or 3-12V, OFF Short or <1.2V NEGATIVE logic: ON: Short or <1.2V, OFF Open or 3-12V	
Efficiency	See Table	
Over Current Protection, Factory Set	Maximum, 150% of full load	
Short Circuit Protection (Note 3)	Hiccup, auto recovery	
Overvoltage Protection	3.3V output 5V output 12V output 15 output	3.9V 6.2V 15V 18V
Operating Temperature	-40°C ~ 85°C (without derating) 85°C ~ 95°C (with derating - see curve)	
Storage Temperature	-40°C ~ 105°C	
Thermal Shock	MIL-STD-810F	
Relative Humidity (non condensing)	5% to 95% RH	
Transient Response (25% step load change)	250µS	
Isolation Voltage (Min)	1600Vdc	
Isolation Resistance	10 <sup>9</sup> Ω	
Isolation Capacitance (Max)	4000 pF	
MTBF BELLCORE TR-NWT-000332 (Note 1)	147,200 hrs	
Vibration	MIL-STD-810F	
Conducted and Radiated Emissions	EN55022, Class B	
Immunity	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6 Perf. Criteria A	
Safety	CE	
Size (H x W x D)	57.6 x 24.5 x 125.0 mm	
Weight	147.5g	
Connector	Screw Terminal	
Cooling	Convection	
Front Panel LED	Output DC good	
Warranty yrs	3	







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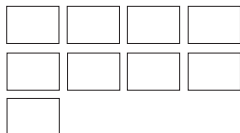
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