

EDR/NDR Series 75W~150W Slim & Economical DIN Rail



Power Supply Features

- Smaller, lower cost replacement for DR range!
- Protection: Short circuit / Overload / Over voltage / Over temperature
- Universal AC input / Full range
- Can be installed on DIN rail TS35/7.5 or 15
- UL508 (industrial control equipment) approved
- EN61000-6-2 (EN50082-2) industrial immunity level
- 100% full load burn-in test
- LED indicator for power on
- 2/3 year warranty for EDR/NDR series

General Specifications (Please refer to www.procontech.com.au for detailed specs.)



Model No.	EDR-75	EDR-120	EDR-150	NDR-75	NDR-120
AC input voltage range	90~264VAC; 127~370VDC				
AC inrush current (max.)	Cold start, 35A at 230VAC				
DC adjustment range	12V: 12~14V, 24V: 24~28V, 48V: 48~55V				
Overload protection	Range	105~130%			
	Type	Constant current limiting, auto-recovery (EDR-150 hiccup mode may occur with 90~100VAC input)			
Over voltage protection	Range	14V: 14~17V, 24V: 29~33V, 48V: 56~65V	24V: 29~33V	12V: 14~17V, 24V: 29~33V, 48V: 56~65V	
	Type	Shut down o/p voltage, re-power on to recover			
Over temperature protection	Shut down o/p voltage, re-power on to recover				
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC				
Working temperature	-20°C ~ +60°C (refer to output derating curve)			-20°C ~ +70°C (refer to output derating curve)	
Safety standards	UL508, TUV BS EN/EN62368-1, EAC TP TC 004, BSMI CNS14336-1 (EDR only) approved				
EMC standards	BS EN/EN55032 class A*			BS EN/EN55032, EN61204-3 class B	
	EN61000-4-2,3,4,5,6,8,11, EN61000-3-2(125W for EDR-150), EN61000-6-2(EN50082-2), EAC TP TC 020, CNS13438			EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020 EN61000-6-2(EN50082-2), EN61000-3-2,-3	
Connection	I/P: 3 pole, O/P: 4 pole screw terminals				
Dimensions (WxHxD)	32x125.2x102mm	40x125.2x113.5mm		32x125.2x102mm	40x125.2x113.5mm
Case No.	221B	992D		221B	992D
Weight	0.51kg	0.6kg		0.51kg	0.6kg

75W EDR-75*

Model No.	Output	Tol.	R&N	Eff.
EDR-75-12	12V, 0~6.3A	±2.0%	100mV	85.5%
EDR-75-24	24V, 0~3.2A	±1.0%	120mV	87.5%
EDR-75-48	48V, 0~1.6A	±1.0%	150mV	88.5%

75W NDR-75

Model No.	Output	Tol.	R&N	Eff.
NDR-75-12	12V, 0~6.3A	±2.0%	100mV	85.5%
NDR-75-24	24V, 0~3.2A	±1.0%	150mV	88.0%
NDR-75-48	48V, 0~1.6A	±1.0%	240mV	89.0%

120W EDR-120*

Model No.	Output	Tol.	R&N	Eff.
EDR-120-12	12V, 0~10A	±2.0%	100mV	85.0%
EDR-120-24	24V, 0~5A	±1.0%	120mV	87.5%
EDR-120-48	48V, 0~2.5A	±1.0%	150mV	88.5%

120W NDR-120

Model No.	Output	Tol.	R&N	Eff.
NDR-120-12	12V, 0~10A	±2.0%	100mV	85.5%
NDR-120-24	24V, 0~5A	±1.0%	120mV	88.0%
NDR-120-48	48V, 0~2.5A	±1.0%	150mV	89.0%

150W EDR-150*

Model No.	Output	Tol.	R&N	Eff.
EDR-150-24	24V, 0~6.5A+	±1.0%	150mV	87%

+200~240VAC operation, for lower AC voltages see output derating curve.

Difference Series	EMI	Working Temp.	Warranty
EDR	Class A	-20~+60°C	2 years
NDR	Class B	-20~+70°C	3 years

*EDR units are generally for commercial, business and industrial use (refer EMC regulations).