

DIN RAIL MOUNTING (TDR10-100W)



GENERAL/ALLGEMEINES

Die TPS DIN RAIL Serie ist mit ihrem flachen Gehäuse für Elektro-Verteilerkästen für Wohngebäude entworfen wurden.

The TDR DIN RAIL low profile series is designed for electrical junction boxes for buildings.

■ SONDERFUNKTIONEN

Universaler AC Weitbereichseingang
Einfaches Snap-On zu DIN TS35/7,5 oder TS35/15 Schienen-System
Schutz: Überstrom, Überspannung, Überlast
Kompaktes Gehäuse
Niedrige Restwelligkeit
100% Vollast Burn-In-Test

■ Sicherheitsnormen

EN60950-1, CE, RoHS

■ Garantie

3 Jahre

■ EMC

EN61204-3, EN55022 B
EN55011 B, EN61000-6-2
EN61000-4-2, EN61000-4-3
EN61000-4-4, EN61000-4-5
EN61000-4-6, EN61000-4-8
EN61000-4-11

■ EMI

FCC-B, CISPR22-B

■ SPECIAL FEATURES

Universal AC Full Range Input
Simple snap-on to DIN TS35/7,5 or TS35/15 rail system
Protections: Over Current/ Over voltage/ Over load
Low profile
Low ripple & noise
100% full load burn-in-test

■ Satety Norm

EN60950-1, CE, RoHS

■ Warranty

3 Years

■ EMC

EN61204-3, EN55022 B
EN55011 B, EN61000-6-2
EN61000-4-2, EN61000-4-3
EN61000-4-4, EN61000-4-5
EN61000-4-6, EN61000-4-8
EN61000-4-11

■ EMI

FCC-B, CISPR22-B

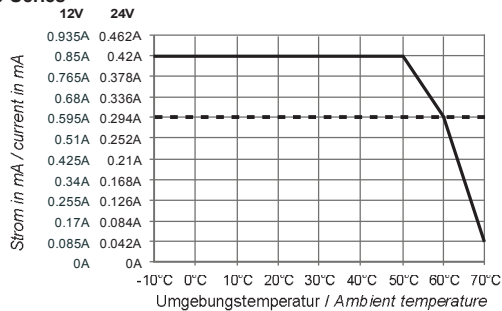
SPECIFICATION:

Model	TDR10-12VK	TDR10-24VK	TDR30-12VK	TDR30-24VK	TDR60-12VK	TDR60-24VK	TDR100-12VK	TDR100-24VK		
Output	Max. Output Power (W)	10	10	30	30	60	60	78	100	
	Nominal Voltage (V)	12	24	12	24	12	24	12	24	
	Adjustment Range (V)	12-15	24-28	12-15	24-28	12-15	24-28	12-15	24-28	
	max. Load (A)	0,85	0,42	2,5	1,25	5	2,5	6,5	4,2	
	min. Load (A)	0,1	0,1	0,1	0,1	0,1	0,1	0,1	0,1	
	Ripple	< 30mV	< 30mV	< 30mV	<30mV	< 30mV	< 30mV	< 30mV	< 30mV	
	Noise	< 50mV	< 50mV	< 50mV	<50mV	< 50mV	< 50mV	< 50mV	< 50mV	
Terminal block	PCB universal screw terminal blocks									
Input	Voltage	100-240VAC; 140-340VDC		100-240VAC; 140-340VDC		100-240VAC; 140-340VDC		100-240VAC; 140-340VDC		
	Voltage range (V)	90-264		90-264		90-264		90-264		
	Current (A; ACIN100/230V)	0,13/0,07	0,13/0,07	0,63/0,3	0,6/0,26	1,2/0,48	1,25/0,55	1,5/0,7	1,67/0,67	
	Leakage Current	0,5/1,1mA (ACIN 100V/240V 60HZ Io=100%)								
	Inrush current;(A; ACIN100/230V)	15/30	15/30	20/40	20/40	30/60	30A/60	30A/60	30A/60	
	Frequency	47-63Hz								
	Efficiency (%; ACIN100/230V)	79/80	79/80	82/82,8	83/84	85/86	85/86	85/86	87/88	
Terminal block	PCB universal screw terminal blocks									
Protection	Overvoltage Protection (V)	16	33	16	32	16	30	16	30	
	Overload Protection (V)	11	11	35	35	75	72	85	130	
	Overcurrent Protection (A)	0,9	0,44	2,8	1,4	6,3	3	7,1	5,5	
	Overtemperature Protection	Yes								
	Short Circuit Protection	Yes								
	Protection class	II								
Protection class of the housing	IP20									
Environment	Operating	Temp: -10 ~ 70°C (corresponding Derating); Humidity: 20 ~ 90% RH; Altitude: 3KM max.								
	Storage	Temp: -25 ~ 75°C; Humidity: 20 ~ 90% RH; Altitude: 3KM max.								

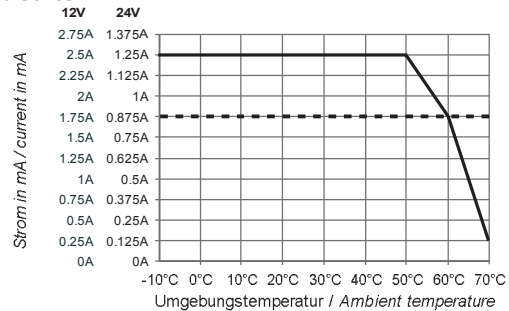
Model	TDR10-12VK	TDR10-24VK	TDR30-12VK	TDR30-24VK	TDR60-12VK	TDR60-24VK	TDR100-12VK	TDR100-24VK
Size & Weight (LxWxH)	91x23x57mm; 0,07KG		91x53x57mm; 0,19KG		91x71x57mm; 0,25KG		91x90x57mm; 0,37KG	
Cooling	Natural							
Case Material	Plastic V0							
Safety	CE-marking in compliance with EMC directive 2004/108/EC and low-voltage directive 2006/95/EC.							
Withstand Voltage	I/P-O/P: AC3KV; I/P-FG: AC2KV; O/P-FG: DC0,5KV							
MTBF	300 000 h							
Fastening	DIN-rail mounting to TS35/7.5or TS35/15.							
Fitting position	vertical							

DERATING

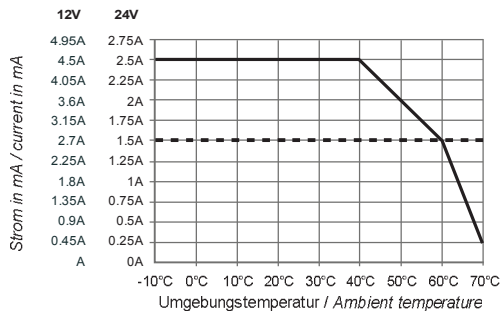
TDR10-Series



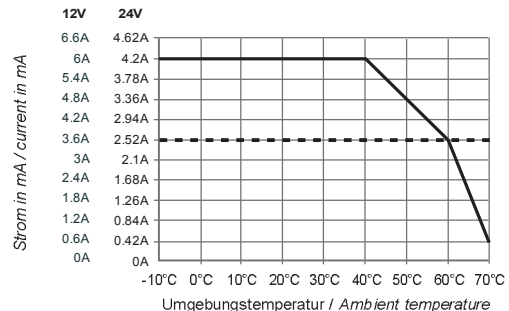
TDR30-Series



TDR60-Series



TDR100-Series

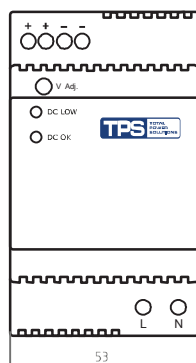


MECHANICAL DETAILS

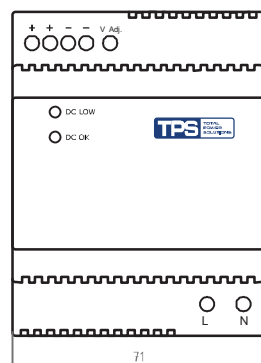
TDR10W



TDR30W



TDR60W



TDR100W

