Technical Data PW434RM

Input

Input voltage range	17 - 75VDC
Inrush current	max. 30ADC limited by NTC
No-load input current	app. 380mA at Uin 24VDC
Switch-on time	typ. 1s
Hold-up time	> 5ms at 48VDC and nominal load
Polarity protection	existing
Fuse	10AT provided external
Turn on	Uin ≥ 15,5VDC
Spikes	acc. EN 61000-4-5, Class 3
Bursts	acc. EN 61000-4-4, Level 3

Output

Output voltage	24VDC standard setting, (adjustable from 21VDC to 28VDC only by factory).
Output current at	
Uin > 35VDC	8ADC up to Uout 25VDC, Uout > 25VDC 7,2ADC
Uin < 35VDC	4ADC up to Uout 25VDC, Uout > 25VDC 3,6ADC
Line regulation/	
Load regulation	< ±2%, measured directly at the connection terminal
Ripple	<250mV p-p typ
Response time	typ. 2ms
Load transient 10-100-10%	typ. 6%
On/off overshoot	none
Overload protection	electronically
Over voltage protection	> 30 VDC switch off, not automatic return, no effect on external over voltage
Decoupling Diode	in the output
Alarm Signals	over potential free contacts, when Uout is <20VDC (NOC=open, NCC=closed).

General

Operating temperature	-20°C to +75°C temperature > +55°C automatically derating of output current to 50%
Storage temperature	-40°C to +85°C
Humidity	max. 75% without condensation,
Efficiency at full load	>80%,
Power dissipation	app. 32W

Construction	acc. EN 50178, EN 60950, Class I
Isolation	acc. EN 50178, EN 60950 SELV
RFI-interference	acc. EN 55011Class "A
EMC / CE	EN 61000-6-4, EN 61000-6-2 Grounding of input and/or output potentials and/or connecting input to output may cause changes of EMC and/or ripple values.
Protection class	I acc. EN 61140
Visual Indications	green LED Uout = Output voltage ok (DC ok.)
Case	for rail mount, 35mm rail EN50022, Alu varnished, RAL7035
Connection	plug-in terminals on front panel
Weight	app. 1,5kg