Data sheet

PRO QL 72W 24V 3A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



General ordering data

Version	Power supply, switch-mode power supply unit, 24 V
Order No.	3076350000
Type	PRO QL 72W 24V 3A
GTIN (EAN)	4099987080705
Qty.	1 items

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Technical data

Approvals

ROHS	Conform

Dimensions and weights

Depth	106 mm	Depth (inches)	4.1732 inch
Height	125 mm	Height (inches)	4.9212 inch
Width	32 mm	Width (inches)	1.2598 inch
Net weight	563 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-30 °C...70 °C
Start-up	≥ -40 °C	Humidity	5...95 % rel. humidity, no condensation

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	408dd4aa-9e9b-4496-a0ae-b9400d7d5cc8

Input

AC input voltage range	90...264 V AC	
Recommended back-up fuse	2 A / DI, safety fuse 6 A, Char. B, circuit breaker 2...4 A, Char. C circuit breaker	
Frequency range AC	45...65 Hz	
Rated input voltage	100...240 V AC	
Wire connection method	Screw connection	
Input fuse (internal)	Yes	
DC input voltage range	110...370 V DC (derating at <120 V DC)	
Inrush current	40 A @ 230 V AC, 25 °C	
Current consumption in relation to the input voltage	Voltage type	AC
	Input voltage	230 V
	Input current	0.94 A
	Voltage type	AC
	Input voltage	115 V
	Input current	1.45 A

Output

Output power	72 W	Connection system	Screw connection
Rated output voltage	24 V DC	Residual ripple, breaking spikes	<120 mVpp
Overload protection	Yes	Output voltage, max.	28 V
Output voltage, min.	24 V	Wire connection method	Screw connection
Capacitive load	6.000 µF	Continuous output current @ UNominal	3 A @ ≤50 °C, 1.65 A @ 70°C

General data

AC failure bridging time @ Inom	> 80 ms @ 230 V AC / > 20 ms @ 115 V AC
Humidity	5...95 % rel. humidity, no condensation
Protection degree	IP20
Status indication	Green LED

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Mounting position, installation notice	Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between.	
Housing version	Metal, corrosion resistant	
Degree of efficiency (typ.)	88 %	
MTBF	According to Standard	Telcordia SR-332
	Operating time (hours), min.	1000000 h
	Ambient temperature	25 °C
	Input voltage	230 V
	Output power	72 W
	Duty cycle	100 %
Conformal coating	Yes	
Power loss, idling	0.88 W	
Short-circuit protection	Yes	
Power loss, nominal load	10.37 W	

EMC / shock / vibration

Noise emission in accordance with EN55032	Class B	Vibration resistance IEC 60068-2-6	2.3 g

Insulation coordination

Pollution severity	2	Protection class	II
Insulation voltage (input / output)	3.5 kV		

Electrical safety (applied standards)

For use with electronic equipment	Acc. to EN50178

Connection data (input)

Number of terminals	3 for L/N/PE	Conductor cross-section input (AWG), max.	12 AWG
Conductor cross-section (AWG) (input), min.	26 AWG	Conductor cross-section, flexible , min.	0.5 mm²
Conductor cross-section, rigid , max.	6 mm²	Conductor cross-section, rigid , min.	0.5 mm²
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm

Connection data (output)

Connection system	Screw connection	Number of terminals	4 (++ / –)
Conductor cross-section (AWG) (output), max.	12 AWG	Conductor cross-section (AWG) (output) , min.	26 AWG
Conductor cross-section, flexible , max.	6 mm²	Conductor cross-section, flexible , min.	0.5 mm²
Conductor cross-section, rigid , max.	6 mm²	Conductor cross-section, rigid , min.	0.5 mm²
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm

Signalling

Status indication	Green LED	Floating contact	No
LED green	Operating voltage OK		

Classifications

ETIM 8.0	EC002540	ETIM 9.0	EC002540
ETIM 10.0	EC002540	ECLASS 14.0	27-04-07-01
ECLASS 15.0	27-04-07-01		