

HEARTBEAT®



Electrical connection

Connection	M12x1, A-coded
Connection (supply voltage IN)	7/8"-Male
Connection (supply voltage OUT)	7/8"-Female
Interconnected operation type	Series wiring: max. 2 devices Parallel wiring: not possible
Short-circuit protection	continuous short circuit protection

Electrical data

Derating	-2.5 %/°C +60 °C
Efficiency typ.	91 %
Hold-up time	≥100 ms at 230 V AC ≥ 25 ms at 115 V AC
Input fuse	T 6.3 A internal
Input voltage	90...254 V AC
Input voltage	100...240 V AC, 1-phase
Input/output, insulation voltage	3000 V AC
Inrush current	≤ 20 A
Isolation resistance	≥ 100 MOhm
Load control	±1 %
Operating frequency	48...62 Hz
Output capacity max.	192 W
Output current max.	12 A for max. 4s

Output voltage	24 VDC
Output voltage tolerance	-1...3 %
Polarity reversal protected	yes
Pollution degree	3
Power boost	150 %
Power boost, duration max.	4 s
Protection class	I
Rated input current	1.6 A at 240 V AC 3.6 A at 100 V AC
Rated output current	8 A
Residual ripple max.	1 %
Settling time	1 ms
Switching frequency	110000 Hz
Turn-on time max.	1 s
Voltage control	±1 %

Environmental conditions

Ambient temperature	-25...70 °C
Cooling	Free convection
Over temperature	protected
Protection type IEC 60529	IP67 with connector
Protection type IEC 60529 (connector)	IP67 with connector
Relative humidity	100 %
Storage temperature	-25...85 °C
Temperature coefficient max.	±0.03 %/K

General data

Approval/Conformity	CE cURus IO-Link
Basic standard	EN 61204
Series	Intelligent
Short description	Switching power supply single-phase
Version	IP67

Material

Housing material	Aluminum PC
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Mechanical data

Casting	PUR
Dimension	116 x 85 x 150 mm
Fastening detail	Flange mounting
Weight	1.65 kg

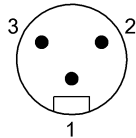
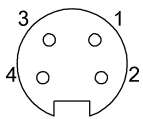
Output/Interface

Interface	IO-Link 1.1
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Remarks

Values measured at +25 °C and full load.

Connector view



PIN 1: +24V PIN 2: +24V PIN 3: 0V / GND PIN 4:
0V / GND Power Out

PIN 1: GND PIN 2: L PIN 3: N Power IN