

Data Sheet

Industrial Power Supplies for PoE applications DIN-rail mounting



Designed for PoE Switches

Output voltage adjustable 48..56 VDC

High efficiency

Efficiency >93%

Compact dimensions

Simple mounting

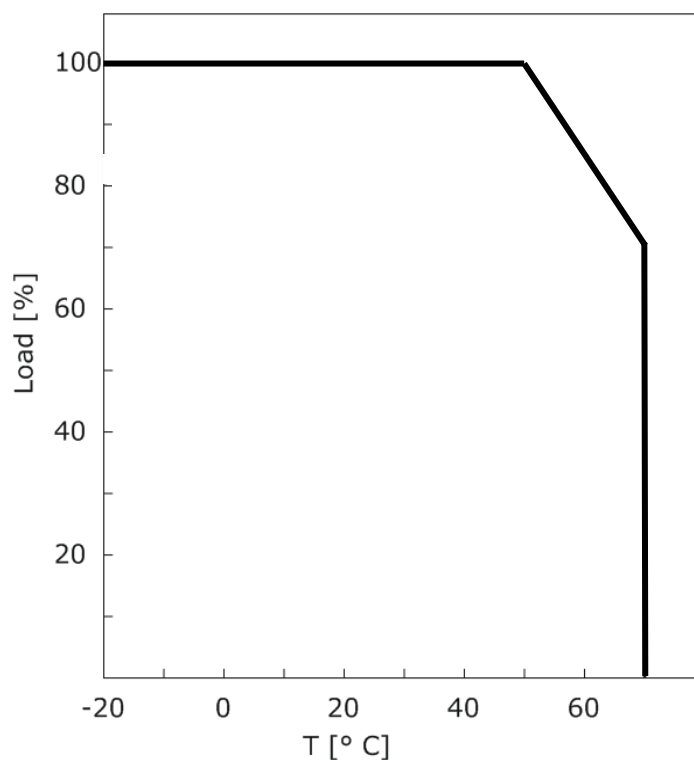
Snap-on DIN Rail connector

Technical Specifications

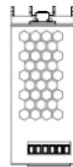
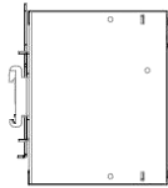
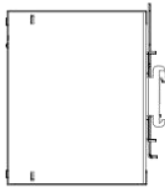
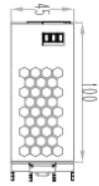
Type	54 VDC Industrial Power Supplies for PoE Application	
Input	Input Voltage	85..264 VAC 120..370VDC (MS700475)
	Input frequency (AC)	47..63 Hz
	Input current	0.75 A (MS700475) 1.6 A (MS700476) 2.6 A (MS700477) 5A (MS700479)
	Leakage current	< 1 mA at 240 VAC
	Under voltage cut off	<80 V
Output	Rated output voltage)	54 VDC (48 VDC default)
	Adjustment range	48..56 VDC
	Rated output current	1.35 A (MS700475) 3.125 A (MS700476) 5 A (MS700477) 10A (MS700479)
	Current range	0...1.35 A (MS700475) 0...3.125 A (MS700476) 0...5 A (MS700477) 0...10 A (MS700479)
	Rated output power	65 W (MS700475) 120 W (MS700476) 240 W (MS700477) 480 W (MS700479)
	Ripple and noise (20MHz bandwidth)	<200 mVpp
	Voltage tolerance	±1 %
	Line regulation	±0.5 %
	Load regulation	±1 %
	Setup time (230VAC/115VAC)	<2 s
	Rise time	<100 ms
	Hold-up time (230VAC/115VAC)	>20 ms
	Efficiency	Typical >93 %
	Max power dissipation	<10 W (No load, 230 VAC in)
Protection	Overload	60 VDC (shut-down output voltage, repowers automatically)
	Output short circuit protection	Automatic recovery after short-circuit, after removal of the cause
	Over temperature	shut-down output voltage, repowers automatically
LED Indicator	Green	Output OK
	Red	Output Off
Safety	Standard	EN62368-1
	Withstand voltage Isolation resistance (@500 VDC, 25°C and 70% relative humidity)	
Environmental Conditions	Temperature	-40...+85°C (Storage) -30...+70°C (Operating)

	Temp. coefficient	
	Relative humidity	5...95 %, none condensing
	Vibration	Component: 10~500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes; Mounting: Compliance to IEC60068-2-6
Cooling	Free air convection with sufficient clearance on all sides	On top: 50 mm at full load On bottom: 50 mm at full load Sides: 5mm at full load and 15 mm near of heat sources
Reliability (MTBF)	MIL-HDBK-217(Bellcore),25°C	>500.000 h
Dimensions	45x75x91	MS700475
	W x H x D	
	65x125x117	MS700476
	W x H x D	MS700477 MS700479
Weight		0.5 Kg MS700477, MS400479
Enclosure material	Metal	
EMC	Emission	EN55032, EN61000-3-2/-3
	Immunity	EN55024, EN61000-4- 2,3,4,5,6,8,11
CE	Low Voltage Directive	2006/95/EC
	EMC	2004/108/EC
	RoHS	2011/65/EU

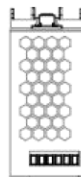
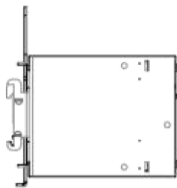
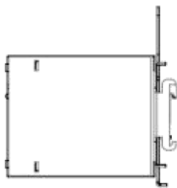
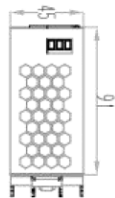
Thermal Derating



Dimensions



MS770475



MS700476, MS700477, MS700479

Order Information

	Description	Article No.:
	Industrial Power Supplies for PoE applications	
	Industrial DIN-Rail PoE+ Power Supply 54VDC / 65W Input 85...264VAC, Output 48..56VDC, -30...+70°C	MS700475
	Industrial DIN-Rail PoE+ Power Supply 54VDC / 150W Input 85...264VAC, Output 48..56VDC, -30...+70°C	MS700476
	Industrial DIN-Rail PoE+ Power Supply 54VDC / 240W Input 85...264VAC, Output 48..56VDC, -30...+70°C	MS700477
	Industrial DIN-Rail PoE+ Power Supply 54VDC / 480W Input 85...264VAC, Output 48..56VDC, -30...+70°C	MS700479

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