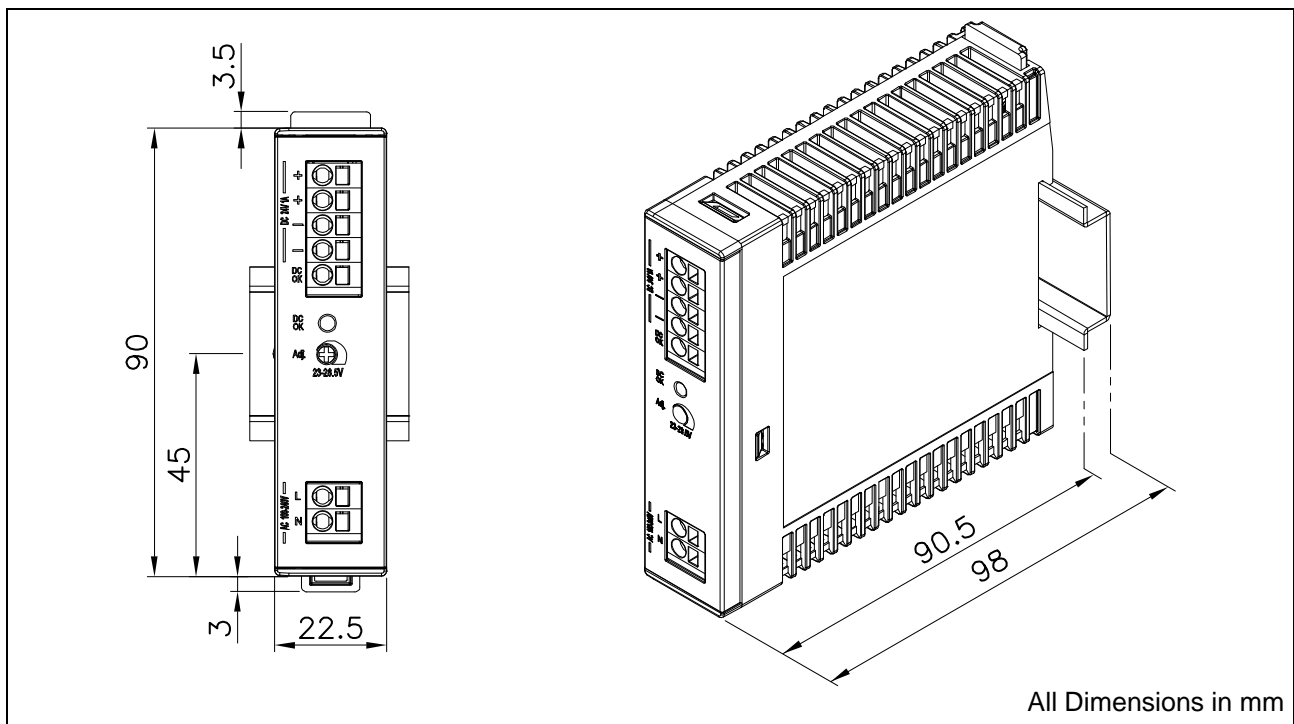


Power Supply Unit 24VDC, 24 Watt for DIN Mounting Rail**GM 41-NT**

- Stabilized and adjustable Output Voltage from 23 .. 28.5VDC
- 100 .. 240VAC Input
- Low Stand-by Consumption <1 W
- Constant Current Characteristic without switching off by an Overload
- DC OK Signaling
- Parallel Operation Option
- High Efficiency
- Short Circuit Protected
- Overload Protection
- UL60950, UL508, listed Class II
- Panel Installation on Mounting Rails
- Push-In Terminals

**Description**

The GM 41-NT is an efficient, primary switched mode power supply unit for use in switch cabinets, clip fastening TH 35-rail assembly in slim design. A powerful and flexible option that's still light and compact. By its wide range input it is world-wide applicable. The output voltage is adjustable in the front and it is short circuit protected. By regulator controller technology, high efficiency and thus small heat development are ensured. The DIN rail fastening method and push-in connection terminals enable fast and secure mounting. The GM 41-NT is also comply with the EN 60335-1 standard for domestic appliances.

Dimensions

Specifications

		GM 41-NT
Art.-No.		115658
Input rated voltage		100 .. 240VAC
Input voltage range		85 .. 264VAC (120 .. 373VDC)
Input voltage derating		-2.5% / VAC <95VAC
Rated frequency range		44 .. 66 Hz / 0 Hz
Input rated current (rated load)		0.43 A (100VAC); 0.2 A (240VAC)
Starting current limiter		<30 A, NTC
Switch-on time		2.3 s (100VAC); 0.74 s (230VAC)
Power factor		0.48
Input fuse internal		2 A
Recommended back-up fuse (circuit breaker)		6 A, 10 A, 16 A, characteristic B, C
Mains buffering (rated load)		20 ms (100VAC); 120 ms (230VAC)
Transient surge voltage protection		Varistor
Output rated voltage		24VDC
Output voltage range		23 .. 28.5VDC
Output rated current		1 A
Output limited current		1.25 .. 1.4 A (constant current)
Class 2 output (UL limited power source, LPS)		Yes
Parallel connection		Yes
Serial operation		Yes
Power dissipation, no load / rated load		<1 W / 4 W (230VAC)
Max. power losses		5 W (100VAC, 24V, 1 A)
Ripple factor (rated load)		typ. 20 mVss
Resistance to reverse feed max.		35VDC
Over-voltage-protection		Max. 39VDC
Efficiency		86%
Typ. switching threshold for LED and signal output (DC OK)		-
Status indicator		LED green Uout > typ. 21.5VDC LED lit permanently
Signal output		Active high signal Uout > typ. 21.5VDC Max. 20 mA@24VDC Short circuit proof
Service temperature range		-25 .. 70°C
Storage temperature range		-25 .. 85°C
Derating		-3% / K >50°C
Mounting position		Horizontal for standard rail DIN TH 35
Cooling method		Natural convection
Required minimum spacing (left/right)		0 mm
Required minimum spacing (over/under)		50 mm
Dimension (W x H x D)		22.5 x 90 x 98 mm
Weight		130 g
Clamping range feeder clip (push-in)		Max. 2.5 mm ²
Approvals		cURus, cULus, GL
Level of protection		IP20
Safety class		II, without PE connection