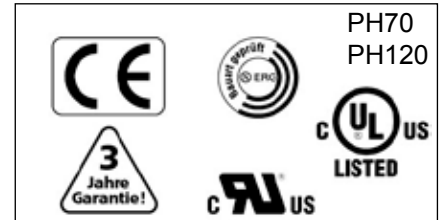


Product Description

Power Supply 24 V

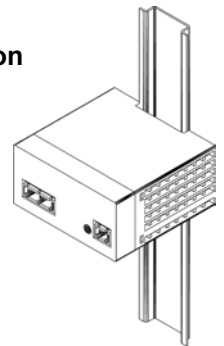
Special Features

- Rated current 1,25 A / 3 A / 5 A
- Input 94 - 264 VAC
- Output permanent short-circuit proof
- Overtemperature protection
- Mains buffering 40 ms

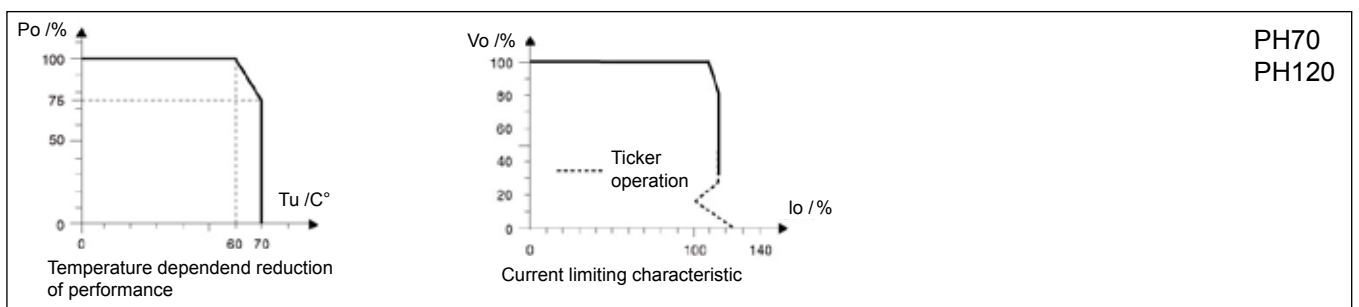
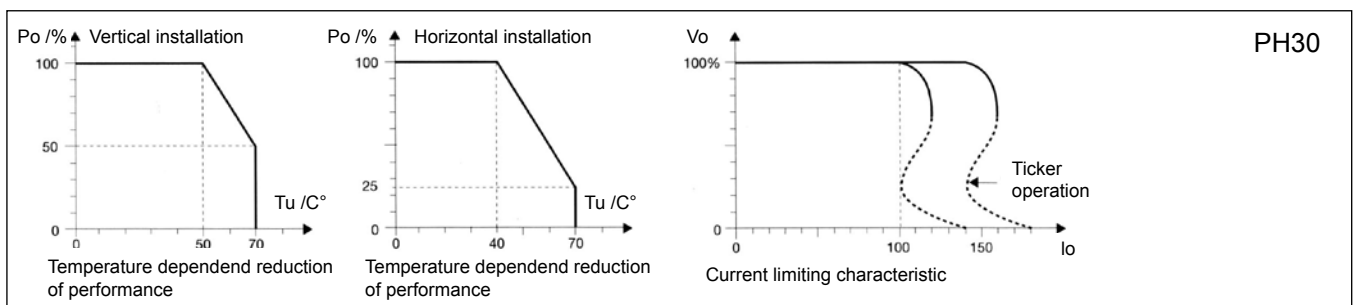
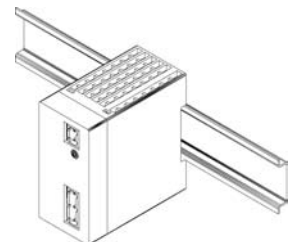


Picture similar

Installation
horizontal



vertical



Technical Data

Input

Input voltage range Ue	Ac 94 - 264 V, 50/60 Hz
Efficiency	77 - 87%
Input current-Limitation	≤ 20 A _{peak} in cold state ≤ 30 A _{peak} in hot state
Interbal fuse	1,25 A / 3 A* / 5 A *

Output

Output current	see table below
(Reduced power at increased ambient temperature)	
Output voltage	24 V +2/-1 % / +6 %* / 0 %*
Ripple	< 50 mV _{ss} / < 30 mV _{ss} *
Noise voltage	< 150 mV _{ss} / < 80 mV _{ss} *
Temperature coefficient	0,025 % / K
Switch on / switch off	no overshooting Vo (soft start)
Rise-delay time	≤ 0,8 s
Run-up time	≤ 30 ms
Operation indicator	green LED


Regulation

Line regulation	< 0,2 % for Vo at Vi _{min} - Vi _{max}
Load regulation	< 0,5 % for Vo at Io 0 - 100 %
Response time	< 0,5 ms at Io 20 - 80%

Protection and controlling

Current limitation	105 - 150 % I _{nom} Output permanent short-circuit proof
Overtemperature	Switches off if inside temperature becomes too high, periodical re-start
Mains buffering	> 40 ms (at Vi = 187 VAC) > 60 ms *
Over voltage protection	105 - 130 % von Vo max. *

Explanation

PE Protective conductor 

Do not use supply without PE-connection!

Operating Data

Temperature range	0...70° C, at free convection
Derating	2,5 % / K at + 50° C / at +60° C* (see diagram)

In general, kindly refer to the MGV user instructions before use. Ventilation from bottom to top of the power supply must not be obstructed when installing the power supply. Please ensure a minimum distance of 20 mm between air openings and surrounding components or surfaces. Ensure fire protection by means of the superior housing system.

Mechanics

Connection	Mains input: 3 pins terminal, plugable, RM 7,62 Load outpage: 2 pin terminal, plugable, RM 5,08
Assembly	All devices can be snapped onto a symmetrical 35 x 7.5 mm DIN-rail according to DIN 50022

EMC

Power feed control	EN 61000-3-2: 1995 Class A*
Flicker	EN 61000-3-3*
Interference strength /	EN 50082-2: 1997
Interference immunity	EN 61000-6-2* EN 61000-4-2 Intensity 4 EN 61000-4-3* Interference level 10

V/m

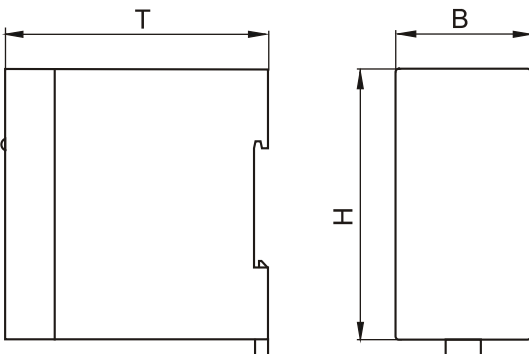
	EN 61000-4-4 Intensity 4 EN 61000-4-5 Intensity 4 EN 61000-4-6* Interference level 10 V EN 61000-4-11
Interfering radiation	EN 50081-1: 1992 EN 55022 Class B, interference transmission depends on assembly

Safety

IEC 60950 / EN 60950 / VDE 0805
Safety Class I / UL 1950, CSA 22.2 - 950
UL 508 Listed*/ UL 60950* / CSA 22.2-60950*
EN 60204* / EN 50178*

*** Values of PH 70 / PH 120**

Size	H	B	T	Weight	Output current
PH 30	76	38	74	150 g	1,25 A
PH 70	125,5	47	127,5	500 g	3 A
PH 120	125,5	77	127,5	700 g	5 A



Ordering data: PH 30 - 2401
PH 70 - 2402A
PH 120 - 2405A