

PRO INSTA 60W 12V 5A

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

www.weidmueller.com



The single-phase INSTA-POWER switching power supplies are characterised by a wide power spectrum, compact design and good value for money. They are suitable for temperature ranges from -25°C to +70°C, have international approvals and a wide voltage input range. This makes them suitable for a wide range of applications. This also includes signal and telecommunications systems as well as automation systems with a low power requirement up to 96 Watt.

General ordering data

| | |
|------------|---|
| Version | Power supply, switch-mode power supply unit |
| Order No. | 2580240000 |
| Type | PRO INSTA 60W 12V 5A |
| GTIN (EAN) | 4050118590975 |
| Qty. | 1 pc(s). |

Creation date December 2, 2020 2:35:17 PM CET

Catalogue status 20.11.2020 / We reserve the right to make technical changes.

PRO INSTA 60W 12V 5A
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data
Dimensions and weights

| | | | |
|----------------|------------|-----------------|------------|
| Depth | 60 mm | Depth (inches) | 2.362 inch |
| Height | 90 mm | Height (inches) | 3.543 inch |
| Net weight | 258 g | Width | 72 mm |
| Width (inches) | 2.835 inch | | |

Temperatures

| | | | |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -25 °C...70 °C |
|---------------------|----------------|-----------------------|----------------|

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Input

| | | | |
|------------------------|-------------------------------------|--------------------------|--|
| AC current consumption | 0.7 A @ 230 V AC / 1.5 A @ 100 V AC | AC input voltage range | 85...264 V AC (derating at 100 V AC) |
| Connection system | PUSH IN | DC current consumption | 0.25 A @ 370 V DC / 0.8 A @ 120 V DC |
| DC input voltage range | 95...370 V DC | Frequency range AC | 45...65 Hz |
| Input fuse (internal) | Yes | Inrush current | max. 40 A |
| Rated input voltage | 100 - 240 V AC / 120 - 340 V DC | Recommended back-up fuse | 2 A / DI, safety fuse 6 A, Char. B, circuit breaker 2...4 A, Char. C circuit breaker |

Output

| | | | |
|--------------------------------------|---|----------------------------------|--|
| Capacitive load | unrestricted | Connection system | PUSH IN |
| Nominal output current for U_{nom} | 5 A @ 55 °C | Output voltage | 16...9 V (adjustable via potentiometer on front) |
| Output voltage, max. | 9 V | Output voltage, min. | 16 V |
| Output voltage, note | (adjustable via potentiometer on front) | Ramp-up time | ≤ 100 ms |
| Rated output voltage | 12 V DC ± 1 % | Residual ripple, breaking spikes | < 50 mV _{SS} @ U_{Nenn} , Full Load |

General data

| | | | |
|-----------------------|--------------------------------------|---|--|
| Degree of efficiency | 86% | Housing version | Plastic, protective insulation |
| MTBF | > 750.000 h nach IEC 61709 (SN29500) | Mounting position, installation notice | Horizontal on DIN rail TS 35, top and bottom 50 mm clearance for free air flow, 10 mm clearance to neighbouring active subassemblies with full load, 5 mm with passive neighbouring subassemblies, direct row mounting with 90% rated load |
| Operating temperature | -25 °C...70 °C | Protection against reverse voltages from the load | 18...25 V DC |

PRO INSTA 60W 12V 5A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

EMC / shock / vibration

| | | | |
|--|--|--|--|
| Interference immunity test acc. to | EN 61000-4-2 (ESD) EN 61000-4-3 and EN 61000-4-8 (fields) EN 61000-4-4 (burst) EN 61000-4-5 (surge) EN 61000-4-6 (conducted) EN 61000-4-11 (dips), EN 61000-4-11 (Dips) | Limiting of mains voltage harmonic currents | EN 61000-4-2 (ESD) EN 61000-4-3 and EN 61000-4-8 (fields) EN 61000-4-4 (burst) EN 61000-4-5 (surge) EN 61000-4-6 (conducted) EN 61000-4-11 (dips), EN 61000-4-11 (Dips) |
| Noise emission in accordance with EN55032 | Class B | Shock resistance IEC 60068-2-27 | 15 g In all directions |
| Vibration resistance IEC 60068-2-6 | 2.3 g | | |

Insulation coordination

| | | | |
|----------------------------------|------|--------------------|---|
| Insulation voltage, input/output | 4 kV | Pollution severity | 2 |
| Protection class | II | | |

Electrical safety (applied standards)

| | | | |
|---|-------------------------------|--|---------------------------------------|
| Electrical machine equipment | Acc. to EN60204 | For use with electronic equipment | Acc. to EN50178 / VDE0160 |
| Protection against dangerous shock currents | Acc. to VDE0106-101 | Protective separation / protection against electrical shock | VDE0100-410 / acc. to DIN57100-410 |
| Safety transformers for switch-mode power supplies | According to EN 61558-2-16 | | |

Connection data (input)

| | | | |
|--|----------------------|--|---------------------|
| Conductor cross-section, AWG/kcmil , max. | 12 | Conductor cross-section, AWG/kcmil , min. | 24 |
| Conductor cross-section, flexible , min. | 0.25 mm ² | Conductor cross-section, rigid , max. | 2.5 mm ² |
| Conductor cross-section, rigid , min. | 0.25 mm ² | Connection system | PUSH IN |
| Wire connection cross section, flexible (input), max. | 2.5 mm ² | | |

Connection data (output)

| | | | |
|--|---------------------|--|----------------------|
| Conductor cross-section, AWG/kcmil , max. | 12 | Conductor cross-section, AWG/kcmil , min. | 24 |
| Conductor cross-section, flexible , max. | 2.5 mm ² | Conductor cross-section, flexible , min. | 0.25 mm ² |
| Conductor cross-section, rigid , max. | 2.5 mm ² | Conductor cross-section, rigid , min. | 0.25 mm ² |
| Connection system | PUSH IN | Number of terminals | 4 (++ / -) |

Signalling

| | |
|-----------|----------------------|
| LED green | Operating voltage OK |
|-----------|----------------------|

Approvals

| | | | |
|-----------------------|----------|-----------------|-----|
| Certificate No. (CSA) | 70211209 | Institute (CSA) | CSA |
|-----------------------|----------|-----------------|-----|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002540 | ETIM 7.0 | EC002540 |
| eClass 9.0 | 27-04-07-01 | eClass 9.1 | 27-04-07-01 |
| eClass 10.0 | 27-04-07-01 | eClass 11.0 | 27040701 |

Creation date December 2, 2020 2:35:17 PM CET

Catalogue status 20.11.2020 / We reserve the right to make technical changes.

Data sheet**PRO INSTA 60W 12V 5A**

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

www.weidmueller.com

Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of
Conformity

[Declaration of Conformity](#)

Engineering Data

[STEP](#)

User Documentation

[Operating instruction](#)

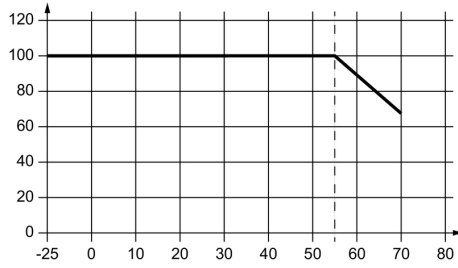
Data sheet

PRO INSTA 60W 12V 5A

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

www.weidmueller.com

Drawings



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [DIN Rail Power Supplies](#) category:

Click to view products by [Weidmuller](#) manufacturer:

Other Similar products are found below :

[PS-3015](#) [DVP01PU-S](#) [DVPPS01](#) [PS-C24024](#) [ADNB040-24-1PM-C](#) [SS14011524](#) [PSW-12024](#) [PSC-6024](#) [S8T-BUS03](#) [PS-S4024](#) [PS-10024](#)
[PS-C12024](#) [PS-C48024](#) [PS-C480P24](#) [PSC-2024](#) [PSC-4048](#) [PSC-15124](#) [PSC-48148](#) [TRIO-PS-2G/1AC/12DC/5/C2LP](#) [PSS18/24/0.75](#) [PSD-](#)
[A120W12](#) [NDR-7524](#) [AMED75-48SJZ](#) [787-1007](#) [1SVR427043R1200](#) [50995](#) [50903](#) [50997](#) [EL50-D](#) [18924-9989](#) [50996](#) [HDN-3024](#)
[ISED-120-24](#) [1335699](#) [1335698](#) [SPE3103U](#) [SPM3051](#) [P4305-USB](#) [SPE6053U](#) [DT30P5](#) [SPM6053](#) [POS DIN30W24](#) [SPB-015-12](#) [EL50-B](#)
[50905](#) [DRB240-48-1](#) [CFM50S360-SD](#) [POS DIN30W15](#) [POS MDIN60W12](#) [18924-9988](#)