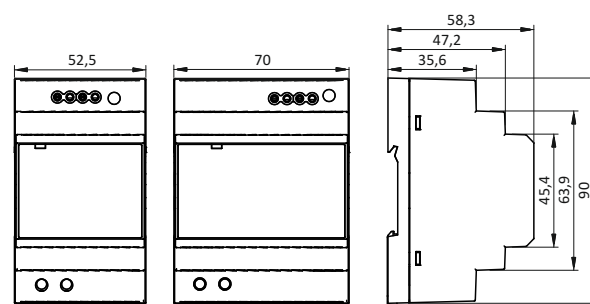


PSR 15 PSR 30



PSR 60

PSR 100

Power: **12 - 100W**
 Input voltage: **85 - 264V AC 47/63Hz; 120 - 370V DC**
 Output voltage: **5; 12; 15; 24; 48V**
 Efficiency: **80 - 91% (typical)**

DIN rail mounted pulse power supplies designed for a wide range of applications including building automation, industrial control systems and mechatronic devices. These power supplies are characterized by high quality, low power consumption in no-load mode (<0.3W) and excellent EMC resistance (electromagnetic compatibility).

Manufactured in compliance with EN 55032, EN 55035, EN 61000-3-2, EN 61000-3-3, EN IEC 62368-1.

Type	Power	Output voltage	Current	Dimensions [mm]			Weight [kg]
	[W]	[V]	[A]	A	B	C	
PSR 01505	12	5	2,4	90	18	58,3	0,068
PSR 01512	15	12	1,25	90	18	58,3	0,068
PSR 01515	15	15	1	90	18	58,3	0,068
PSR 01524	15,2	24	0,63	90	18	58,3	0,068
PSR 01548	15,4	48	0,32	90	18	58,3	0,068
PSR 03005	15	5	3	90	35	58,3	0,129
PSR 03012	24	12	2	90	35	58,3	0,129
PSR 03015	30	15	2	90	35	58,3	0,129
PSR 03024	36	24	1,5	90	35	58,3	0,129
PSR 03048	36	48	0,75	90	35	58,3	0,129
PSR 06005	32,5	5	6,5	90	52,5	58,3	0,177
PSR 06012	54	12	4,5	90	52,5	58,3	0,177
PSR 06015	60	15	4	90	52,5	58,3	0,177
PSR 06024	60	24	2,5	90	52,5	58,3	0,177
PSR 06048	60	48	1,25	90	52,5	58,3	0,177
PSR 10012	85,2	12	7,1	90	70	58,3	0,260
PSR 10015	92	15	6,13	90	70	58,3	0,260
PSR 10024	92	24	3,83	90	70	58,3	0,260
PSR 10048	92,2	48	1,92	90	70	58,3	0,260

PSR 01505 / PSR 01512 / PSR 01515 PSR 01524 / PSR 01548

1. Introduction:

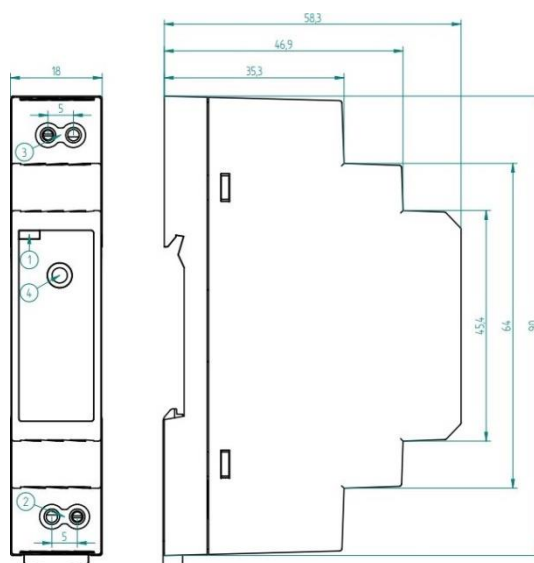
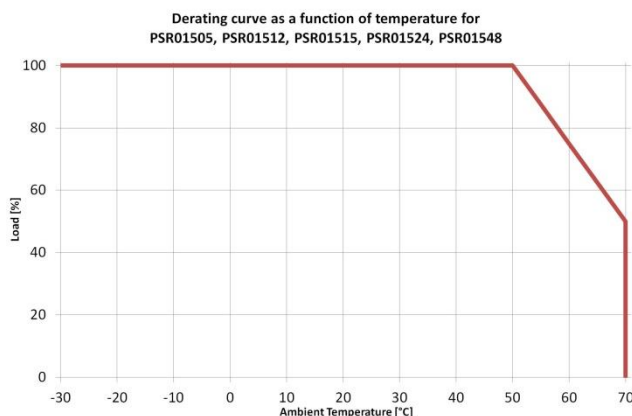
This series of slim PSR switching power supplies, mounted on a DIN rail, has been designed for a wide range of applications, including building automation, industrial control systems, and mechatronic devices. These power supplies feature high quality, low power consumption in no-load mode (<0.3W) and excellent EMC immunity (electromagnetic compatibility).

2. Features:

- **Overload Protection:** The constant current circuitry is adopted to protect the device from overload. When the unit is overloaded, the DC output LED (ON) indicator will turn off, and the system will automatically cut off the DC output. (1)
- **Over Temperature Protection:** The over temperature circuitry is activated when the unit exceeds a certain high temperature to prevent damage caused by overheating. When this protection is triggered, both the output voltage and current will decrease, and the DC output LED (ON) indicator will turn off. (1)
- **Over Voltage Protection:** The over voltage circuitry protects both the unit and the connected equipment from damage caused by abnormal high input voltage. Immediate action is taken to bring the voltage to safe levels.
- **Fine-Tuning Adjustment:** The device includes a concealed trimmer (fine-tune access port) that allows precise adjustment of the output voltage to meet specific system requirements. (4)

3. Panel description:

1. DC OK output (ON) indicator.
2. AC input terminal block.
3. DC output terminal block.
4. Fine-tune access port.



4. Installation:

- The PSR015XX series power supplies are built-in units designed for mounting on a standard DIN rail TS35 (35 x 15 / 7.5).
- Ensure that the mounting position allows for optimal cooling performance; the recommended operating position is vertical.
- To install the unit on the DIN rail, hook the top part of the clip onto the rail, then push down and inwards until you hear a click indicating that the clip is securely fastened.
- To remove the unit from the rail, insert an insulated flat-head screwdriver into the recess of the clip, as close to the bottom of the unit as possible. Press down to release the clip and lift the unit off the DIN rail.
- **NOTE:** For indoor use only.

5. Safety precautions:

- **NEVER** remove the metal cover of the power supply while AC power is connected.
- **NEVER** touch the unit with wet hands.
- **NEVER** touch the enclosure while the unit is under full load, as this may cause burns due to high temperatures.
- This series consists of built-in power supplies and should be installed inside a main frame with a ventilation capacity of at least 200 CFM (cubic feet per minute).
- **NEVER** operate the unit if any foreign materials, such as metallic objects, water, or other debris, have entered inside. Contact your dealer for inspection and repair.
- **NEVER** operate a unit that has been damaged, as this may indicate a failure in the voltage regulation circuitry. The resulting high voltage could damage connected equipment.
- **NEVER** allow foreign objects to touch the DC power output terminals.
- If you need to inspect the interior of the unit, allow it to cool down completely, as certain components may pose a burn hazard in the event of failure.
- **NEVER** block the air intake vent.

6. Connection and operation:

- A protective device (such as a fuse or miniature circuit breaker) and an easily accessible isolating device for disconnecting the power supply must be provided.
- Ensure that the main switch is in the OFF position and is secured to prevent accidental reactivation. Failure to adhere to this precaution may result in contact with live components, which can lead to death or severe injury.
- Connect the equipment to the unit. If using flexible wires, they must be properly terminated (e.g. using ferrules). The cross-sectional area of the flexible power cable should be between 0.5 mm² and 0.75 mm².

7. Specifications:

	PSR 01505	PSR 01512	PSR 01515	PSR 01524	PSR 01548
Voltage Range (Auto Select)	85-264VAC 120-370VDC				
Frequency	47-63 Hz ~				
Full Load AC Current	0.5A/100VAC ; 0.25A/230VAC				
No Load AC Current	15mA/100VAC ; 30mA/230VAC				
Inrush Current, cold start 25°C*	25A/100VAC ; 45A/230VAC				
Efficiency	80%	85%	85,5%	86%	87%

Output

Normal DC Voltage	5V	12V	15V	24V	48V
Voltage Adjust Range	4,5 – 5,5V	10,8 – 13,8V	13,5 – 18V	21,6 – 29V	43,2 – 55,2V
Rated Current	2,4A	1,25A	1A	0,63A	0,32A
Rated Power	12W	15W	15W	15,2W	15,4W
Ripple & Noise (peak to peak)**	≤ 80mV	≤120mV	≤120mV	≤150mV	≤240mV
Max. Capacitive Load	6800uF	4700uF	3300uF	2200uF	2000uF
Voltage tolerance	±2,0%	±1,0%	±1,0%	±1,0%	±1,0%
Line Regulation	±1,0%				
Load Regulation (10% - 100%)	±1,0%				
Holdup time (full load)	12ms/115VAC ; 30ms/230VAC				
Parallel operation	Not possible				

Protection

Over load	110%-145% of rated output power, constant current limiting, automatic restart after fault removal				
Over voltage	5,75 - 6,75V	14,2 – 16,2V	18,8 – 22,5V	30 – 36V	56,5 – 64,8V
	Restart required				

Safety & EMC

Safety standards	EN62368-1
Withstand Voltage	I/P - O/P: 4kVAC
Isolation resistance	I/P-O/P: 100M Ohm/500VDC/25°C/70%RH
EMC Emission	Compliance to EN55032(CISPR32)
Voltage Flicker & Harmonic Current	Compliance to EN61000-3-2, -3
EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11

Environment

Operating Temperature	-30°C ~ +70°C
De-rating of rated values at temperatures above 50°C	See: Derating curve as a function of temperature
Operating Humidity	20 - 90 RH, non-condensing
Storage Temperature & Humidity	od -40°C od +85°C , 10 - 95 RH, non-condensing
Vibration	Component: 10-500Hz, 2G 10min/1 cycle, 60min each along the X, Y, Z. Installation in accordance with IEC60068-2-6

Others

MTBF	≥1166,1k hours according to MIL-HDBK-217F (25°C)
Weight	78g
Dimension	18 × 90 × 58,3mm (S x W x G)
Mounting options	Mounting option on DIN rails 35mm/7.5 or 15mm, vertical position.
Connection	Screw terminals
NOTE	* Ta = 25°C , cold start

* All values are based on the Standard ambient Temperature 25°C and Pressure 0,1 MPa. *

PSR 03005 / PSR 03012 / PSR 03015 PSR 03024 / PSR 03048

1. Introduction:

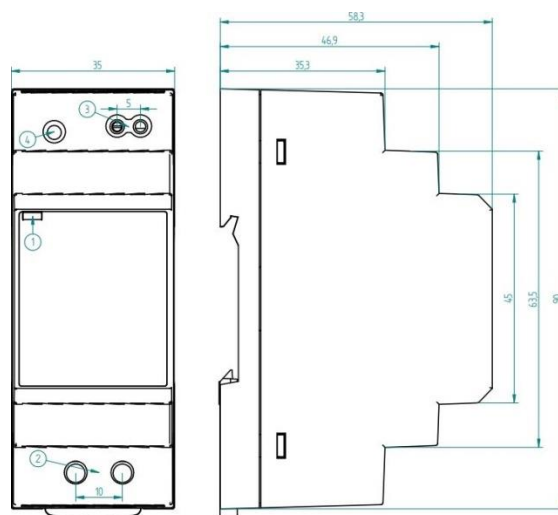
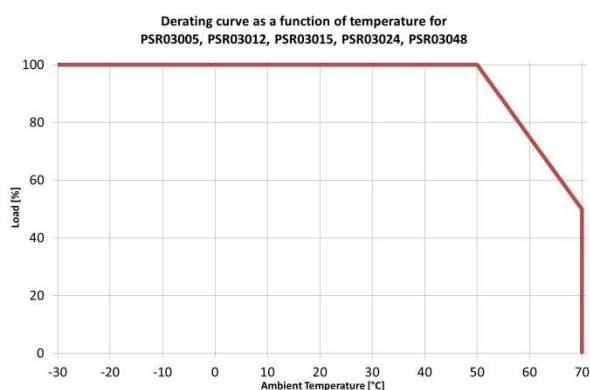
This series of slim PSR switching power supplies, mounted on a DIN rail, has been designed for a wide range of applications, including building automation, industrial control systems, and mechatronic devices. These power supplies feature high quality, low power consumption in no-load mode (<0.3W) and excellent EMC immunity (electromagnetic compatibility).

2. Features:

- **Overload Protection:** The constant current circuitry is adopted to protect the device from overload. When the unit is overloaded, the DC output LED (ON) indicator will turn off, and the system will automatically cut off the DC output. (1)
- **Over Temperature Protection:** The over temperature circuitry is activated when the unit exceeds a certain high temperature to prevent damage caused by overheating. When this protection is triggered, both the output voltage and current will decrease, and the DC output LED (ON) indicator will turn off. (1)
- **Over Voltage Protection:** The over voltage circuitry protects both the unit and the connected equipment from damage caused by abnormal high input voltage. Immediate action is taken to bring the voltage to safe levels.
- **Fine-Tuning Adjustment:** The device includes a concealed trimmer (fine-tune access port) that allows precise adjustment of the output voltage to meet specific system requirements. (4)

3. Panel description:

1. DC OK output (ON) indicator.
2. AC input terminal block.
5. DC output terminal block.
3. Fine-tune access port.



4. Installation:

- The PSR015XX series power supplies are built-in units designed for mounting on a standard DIN rail TS35 (35 x 15 / 7.5).
- Ensure that the mounting position allows for optimal cooling performance; the recommended operating position is vertical.
- To install the unit on the DIN rail, hook the top part of the clip onto the rail, then push down and inwards until you hear a click indicating that the clip is securely fastened.
- To remove the unit from the rail, insert an insulated flat-head screwdriver into the recess of the clip, as close to the bottom of the unit as possible. Press down to release the clip and lift the unit off the DIN rail.
- **NOTE:** For indoor use only.

5. Safety precautions:

- **NEVER** remove the metal cover of the power supply while AC power is connected.
- **NEVER** touch the unit with wet hands.
- **NEVER** touch the enclosure while the unit is under full load, as this may cause burns due to high temperatures.
- This series consists of built-in power supplies and should be installed inside a main frame with a ventilation capacity of at least 200 CFM (cubic feet per minute).
- **NEVER** operate the unit if any foreign materials, such as metallic objects, water, or other debris, have entered inside. Contact your dealer for inspection and repair.
- **NEVER** operate a unit that has been damaged, as this may indicate a failure in the voltage regulation circuitry. The resulting high voltage could damage connected equipment.
- **NEVER** allow foreign objects to touch the DC power output terminals.
- If you need to inspect the interior of the unit, allow it to cool down completely, as certain components may pose a burn hazard in the event of failure.
- **NEVER** block the air intake vent.

6. Connection and operation:

- A protective device (such as a fuse or miniature circuit breaker) and an easily accessible isolating device for disconnecting the power supply must be provided.
- Ensure that the main switch is in the OFF position and is secured to prevent accidental reactivation. Failure to adhere to this precaution may result in contact with live components, which can lead to death or severe injury.
- Connect the equipment to the unit. If using flexible wires, they must be properly terminated (e.g. using ferrules). The cross-sectional area of the flexible power cable should be between 0.5 mm² and 0.75 mm².

7. Specifications:

	PSR 03005	PSR 03012	PSR 03015	PSR 03024	PSR 03048
Voltage Range (Auto Select)	85-264VAC 120-370VDC				
Frequency	47-63 Hz ~				
Full Load AC Current	0.88A/100VAC; 0.48A/230VAC				
No Load AC Current	15mA/100VAC; 30mA/230VAC				
Inrush Current, cold start 25°C*	25A/100VAC; 45A/230VAC				
Efficiency	82%	88%	89%	89%	90%

Output

Normal DC Voltage	5V	12V	15V	24V	48V
Voltage Adjust Range	4,5 – 5,5V	10,8 – 13,8V	13,5 – 18V	21,6 – 29V	43,2 – 55,2V
Rated Current	3A	2A	2A	1,5A	0,75A
Rated Power	15W	24W	30W	36W	36W
Ripple & Noise (peak to peak)**	≤ 80mV	≤120mV	≤120mV	≤150mV	≤240mV
Max. Capacitive Load	6800uF	4700uF	3300uF	2200uF	2000uF
Voltage tolerance	±2,0%	±1,0%	±1,0%	±1,0%	±1,0%
Line Regulation	±1,0%				
Load Regulation (10% - 100%)	±1,0%				
Holdup time (full load)	12ms/115VAC; 30ms/230VAC				
Parallel operation	Not possible				

Protection

Over load	105%-160% of rated output power, constant current limiting, automatic restart after fault removal				
Over voltage	5,75 – 7,5V	15 – 18V	18,8 – 22,5V	30 – 36V	57,5 – 67,2V
	Restart required				

Safety & EMC

Safety standards	EN62368-1
Withstand Voltage	I/P - O/P: 4kVAC
Isolation resistance	I/P-O/P: 100M Ohm/500VDC/25°C/70%RH
EMC Emission	Compliance to EN55032(CISPR32)
Voltage Flicker & Harmonic Current	Compliance to EN61000-3-2, -3
EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11

Environment

Operating Temperature	-30°C ~ +70°C
De-rating of rated values at temperatures above 50°C	See: Derating curve as a function of temperature
Operating Humidity	20 - 90 RH, non-condensing
Storage Temperature & Humidity	od -40°C od +85°C , 10 - 95 RH, non-condensing
Vibration	Component: 10-500Hz, 2G 10min/1 cycle, 60min each along the X, Y, Z. Installation in accordance with IEC60068-2-6

Others

MTBF	≥968,1k hours according to MIL-HDBK-217F (25°C)
Weight	120g
Dimension	35 × 90 × 58,3mm (S x W x G)
Mounting options	Mounting option on DIN rails 35mm/7.5 or 15mm, vertical position.
Connection	Screw terminals
NOTE	* Ta = 25°C , cold start

* All values are based on the Standard ambient Temperature 25°C and Pressure 0,1 MPa. *

PSR 06005 / PSR 06012 / PSR 06015 PSR 06024 / PSR 06048

1. Introduction:

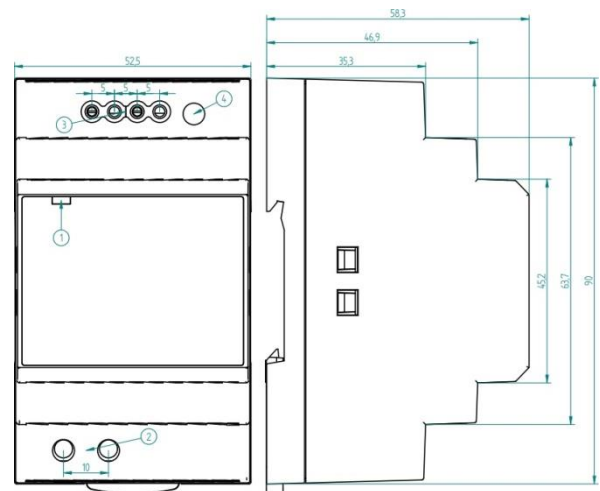
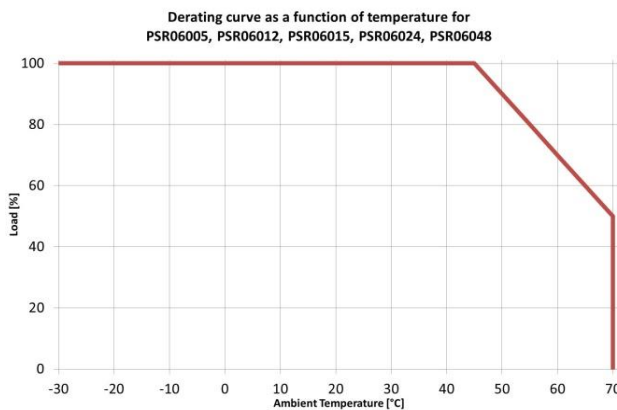
This series of slim PSR switching power supplies, mounted on a DIN rail, has been designed for a wide range of applications, including building automation, industrial control systems, and mechatronic devices. These power supplies feature high quality, low power consumption in no-load mode (<0.3W) and excellent EMC immunity (electromagnetic compatibility).

2. Features:

- **Overload Protection:** The constant current circuitry is adopted to protect the device from overload. When the unit is overloaded, the DC output LED (ON) indicator will turn off, and the system will automatically cut off the DC output. (1)
- **Over Temperature Protection:** The over temperature circuitry is activated when the unit exceeds a certain high temperature to prevent damage caused by overheating. When this protection is triggered, both the output voltage and current will decrease, and the DC output LED (ON) indicator will turn off. (1)
- **Over Voltage Protection:** The over voltage circuitry protects both the unit and the connected equipment from damage caused by abnormal high input voltage. Immediate action is taken to bring the voltage to safe levels.
- **Fine-Tuning Adjustment:** The device includes a concealed trimmer (fine-tune access port) that allows precise adjustment of the output voltage to meet specific system requirements. (4)

3. Panel description:

1. DC OK output (ON) indicator.
2. AC input terminal block.
3. DC output terminal block.
4. Fine-tune access port.



4. Installation:

- The PSR015XX series power supplies are built-in units designed for mounting on a standard DIN rail TS35 (35 x 15 / 7.5).
- Ensure that the mounting position allows for optimal cooling performance; the recommended operating position is vertical.
- To install the unit on the DIN rail, hook the top part of the clip onto the rail, then push down and inwards until you hear a click indicating that the clip is securely fastened.
- To remove the unit from the rail, insert an insulated flat-head screwdriver into the recess of the clip, as close to the bottom of the unit as possible. Press down to release the clip and lift the unit off the DIN rail.
- **NOTE:** For indoor use only.

5. Safety precautions:

- **NEVER** remove the metal cover of the power supply while AC power is connected.
- **NEVER** touch the unit with wet hands.
- **NEVER** touch the enclosure while the unit is under full load, as this may cause burns due to high temperatures.
- This series consists of built-in power supplies and should be installed inside a main frame with a ventilation capacity of at least 200 CFM (cubic feet per minute).
- **NEVER** operate the unit if any foreign materials, such as metallic objects, water, or other debris, have entered inside. Contact your dealer for inspection and repair.
- **NEVER** operate a unit that has been damaged, as this may indicate a failure in the voltage regulation circuitry. The resulting high voltage could damage connected equipment.
- **NEVER** allow foreign objects to touch the DC power output terminals.
- If you need to inspect the interior of the unit, allow it to cool down completely, as certain components may pose a burn hazard in the event of failure.
- **NEVER** block the air intake vent.

6. Connection and operation:

- A protective device (such as a fuse or miniature circuit breaker) and an easily accessible isolating device for disconnecting the power supply must be provided.
- Ensure that the main switch is in the OFF position and is secured to prevent accidental reactivation. Failure to adhere to this precaution may result in contact with live components, which can lead to death or severe injury.
- Connect the equipment to the unit. If using flexible wires, they must be properly terminated (e.g. using ferrules). The cross-sectional area of the flexible power cable should be between 0.5 mm² and 0.75 mm².

7. Specifications:

	PSR 06005	PSR 06012	PSR 06015	PSR 06024	PSR 06048
Voltage Range (Auto Select)	85-264VAC 120-370VDC				
Frequency	47-63 Hz ~				
Full Load AC Current	1.2A/100VAC; 0.8A/230VAC				
No Load AC Current	15mA/100VAC; 30mA/230VAC				
Inrush Current, cold start 25°C*	25A/100VAC; 45A/230VAC				
Efficiency	85%	88%	89%	90%	91%

Output

Normal DC Voltage	5V	12V	15V	24V	48V
Voltage Adjust Range	5,0 – 5,5V	10,8 – 13,8V	13,5 – 18V	21,6 – 29V	43,2 – 55,2V
Rated Current	6,5A	4,5A	4A	2,5A	1,25A
Rated Power	32,5W	54W	60W	60W	60W
Ripple & Noise (peak to peak)**	≤ 80mV	≤120mV	≤120mV	≤150mV	≤240mV
Max. Capacitive Load	6800uF	4700uF	3300uF	2200uF	2000uF
Voltage tolerance	±2,0%	±1,0%	±1,0%	±1,0%	±1,0%
Line Regulation	±1,0%				
Load Regulation (10% - 100%)	±1,0%				
Holdup time (full load)	12ms/115VAC; 30ms/230VAC				
Parallel operation	Not possible				

Protection

Over load	105%-160% of rated output power, constant current limiting, automatic restart after fault removal				
Over voltage	5,75 – 6,75V	14,2 – 16,2V	18,8 – 22,5V	30 – 36V	56,5 – 64,8V
	Restart required				

Safety & EMC

Safety standards	EN62368-1
Withstand Voltage	I/P - O/P: 4kVAC
Isolation resistance	I/P-O/P: 100M Ohm/500VDC/25°C/70%RH
EMC Emission	Compliance to EN55032(CISPR32)
Voltage Flicker & Harmonic Current	Compliance to EN61000-3-2, -3
EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11

Environment

Operating Temperature	-30°C ~ +70°C
De-rating of rated values at temperatures above 50°C	See: Derating curve as a function of temperature
Operating Humidity	20 - 90 RH, non-condensing
Storage Temperature & Humidity	od -40°C od +85°C , 10 - 95 RH, non-condensing
Vibration	Component: 10-500Hz, 2G 10min/1 cycle, 60min each along the X, Y, Z. Installation in accordance with IEC60068-2-6

Others

MTBF	≥927,6k hours according to MIL-HDBK-217F (25°C)
Weight	190g
Dimension	52,5 × 90 × 58,3mm (S x W x G)
Mounting options	Mounting option on DIN rails 35mm/7.5 or 15mm, vertical position.
Connection	Screw terminals
NOTE	* Ta = 25°C , cold start

* All values are based on the Standard ambient Temperature 25°C and Pressure 0,1 MPa. *

PSR 10012 / PSR 10015 / PSR 10024 PSR 10048

1. Introduction:

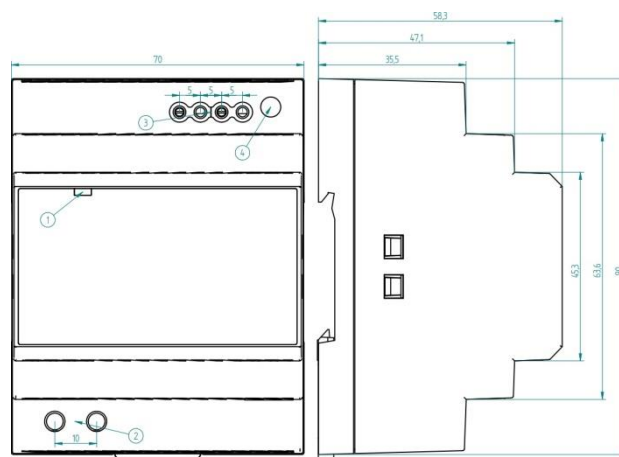
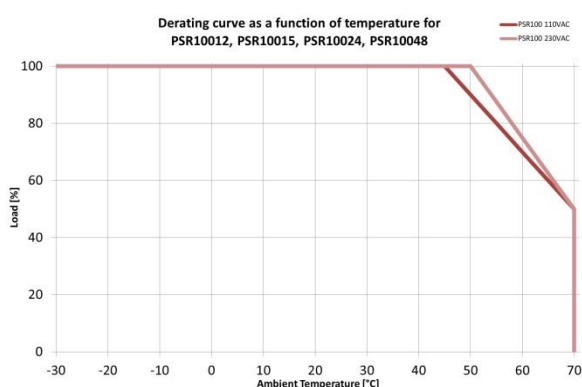
This series of slim PSR switching power supplies, mounted on a DIN rail, has been designed for a wide range of applications, including building automation, industrial control systems, and mechatronic devices. These power supplies feature high quality, low power consumption in no-load mode (<0.3W) and excellent EMC immunity (electromagnetic compatibility).

2. Features:

- **Overload Protection:** The constant current circuitry is adopted to protect the device from overload. When the unit is overloaded, the DC output LED (ON) indicator will turn off, and the system will automatically cut off the DC output. (1)
- **Over Temperature Protection:** The over temperature circuitry is activated when the unit exceeds a certain high temperature to prevent damage caused by overheating. When this protection is triggered, both the output voltage and current will decrease, and the DC output LED (ON) indicator will turn off. (1)
- **Over Voltage Protection:** The over voltage circuitry protects both the unit and the connected equipment from damage caused by abnormal high input voltage. Immediate action is taken to bring the voltage to safe levels.
- **Fine-Tuning Adjustment:** The device includes a concealed trimmer (fine-tune access port) that allows precise adjustment of the output voltage to meet specific system requirements. (4)

3. Panel description:

1. DC OK output (ON) indicator.
2. AC input terminal block.
3. DC output terminal block.
4. Fine-tune access port.



4. Installation:

- The PSR015XX series power supplies are built-in units designed for mounting on a standard DIN rail TS35 (35 x 15 / 7.5).
- Ensure that the mounting position allows for optimal cooling performance; the recommended operating position is vertical.
- To install the unit on the DIN rail, hook the top part of the clip onto the rail, then push down and inwards until you hear a click indicating that the clip is securely fastened.
- To remove the unit from the rail, insert an insulated flat-head screwdriver into the recess of the clip, as close to the bottom of the unit as possible. Press down to release the clip and lift the unit off the DIN rail.
- **NOTE:** For indoor use only.

5. Safety precautions:

- **NEVER** remove the metal cover of the power supply while AC power is connected.
- **NEVER** touch the unit with wet hands.
- **NEVER** touch the enclosure while the unit is under full load, as this may cause burns due to high temperatures.
- This series consists of built-in power supplies and should be installed inside a main frame with a ventilation capacity of at least 200 CFM (cubic feet per minute).
- **NEVER** operate the unit if any foreign materials, such as metallic objects, water, or other debris, have entered inside. Contact your dealer for inspection and repair.
- **NEVER** operate a unit that has been damaged, as this may indicate a failure in the voltage regulation circuitry. The resulting high voltage could damage connected equipment.
- **NEVER** allow foreign objects to touch the DC power output terminals.
- If you need to inspect the interior of the unit, allow it to cool down completely, as certain components may pose a burn hazard in the event of failure.
- **NEVER** block the air intake vent.

6. Connection and operation:

- A protective device (such as a fuse or miniature circuit breaker) and an easily accessible isolating device for disconnecting the power supply must be provided.
- Ensure that the main switch is in the OFF position and is secured to prevent accidental reactivation. Failure to adhere to this precaution may result in contact with live components, which can lead to death or severe injury.
- Connect the equipment to the unit. If using flexible wires, they must be properly terminated (e.g. using ferrules). The cross-sectional area of the flexible power cable should be between 0.5 mm² and 0.75 mm².

7. Specifications:

	PSR 10012	PSR 10015	PSR 10024	PSR 10048
Voltage Range (Auto Select)	85-264VAC 120-370VDC			
Frequency	47-63 Hz ~			
Full Load AC Current	3A/100VAC; 1.6A/230VAC			
No Load AC Current	25mA/100VAC; 55mA/230VAC			
Inrush Current, cold start 25°C*	35A/100VAC; 70A/230VAC			
Efficiency	88%	89%	90%	90%

Output

Normal DC Voltage	12V	15V	24V	48V
Voltage Adjust Range	12,0 – 13,0V	15,0 – 17,0V	24,0 – 25,5V	48,0 – 48,7V
Rated Current	7,1A	6,13A	3,83A	1,92A
Rated Power	85,2W	92W	92W	92,2W
Ripple & Noise (peak to peak)**	≤120mV	≤120mV	≤150mV	≤240mV
Max. Capacitive Load	4700uF	3300uF	2200uF	2000uF
Voltage tolerance	±1,0%	±1,0%	±1,0%	±1,0%
Line Regulation	±1,0%			
Load Regulation (10% - 100%)	±1,0%			
Holdup time (full load)	12ms/115VAC; 30ms/230VAC			
Parallel operation	Not possible			

Protection

Over load	105%-160% of rated output power, constant current limiting, automatic restart after fault removal			
Over voltage	14,2 – 16,2V	18,8 – 22,5V	30 – 36V	56,5 – 64,8V
	Restart required			

Safety & EMC

Safety standards	EN62368-1
Withstand Voltage	I/P - O/P: 4kVAC
Isolation resistance	I/P-O/P: 100M Ohm/500VDC/25°C/70%RH
EMC Emission	Compliance to EN55032(CISPR32)
Voltage Flicker & Harmonic Current	Compliance to EN61000-3-2, -3
EMC Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11

Environment

Operating Temp.	-30°C ~ +70°C
De-rating of rated values at temperatures above 50°C	See: Derating curve as a function of temperature
Operating Humidity	20 - 90 RH, non-condensing
Storage Temp. & Humidity	od -40°C od +85°C , 10 - 95 RH, non-condensing
Vibration	Component: 10-500Hz, 2G 10min/1 cycle, 60min each along the X, Y, Z. Installation in accordance with IEC60068-2-6

Others

MTBF	≥956,5k hours according to MIL-HDBK-217F (25°C)
Weight	310g
Dimension	70 × 90 × 58,3mm (S x W x G)
Mounting options	Mounting option on DIN rails 35mm/7.5 or 15mm, vertical position.
Connection	Screw terminals
NOTE	* Ta = 25°C , cold start

* All values are based on the Standard ambient Temperature 25°C and Pressure 0,1 MPa. *