HDR-150

Single-output DIN rail power supply

150 W family class

OUTPUT SELECTION / 4 MODELS

Model	HDR-150-12	HDR-150-15	HDR-150-24	HDR-150-48
DC output voltage	12 V	15 V	24 V	48 V
Current range at 115 VAC	0 to 10.2 A	0 to 8.55 A	0 to 5.31 A	0 to 2.72 A
Current range at 230 VAC	0 to 11.3 A	0 to 9.5 A	0 to 6.25 A	0 to 3.2 A
Ripple and noise	100 mVp-p	120 mVp-p	150 mVp-p	200 mVp-p
Line regulation	±1%	±1%	±1%	±1%
Load regulation	±1%	±1%	±1%	±1%
Efficiency	87%	88%	89%	89%
DC voltage adjustment	±10%	±10%	±10%	±10%

The wattage above identifies the family. The source does not state a wattage for each output.

01 Input and performance

Operating input	85 to 264 VAC / 120 to 370 VDC | 47 to 63 Hz
Cold-start inrush current	35 A at 115 VAC; 70 A at 230 VAC
Setup / rise time	1500 ms / 80 ms at both 115 VAC and 230 VAC, full load.
Hold-up time	Not stated in the timing row.
Working temperature	-20 °C to +70 °C; no full-load rating stated at the upper limit.

02 Protection and insulation

Overload	105% to 150%: output shuts off; automatic recovery.
Overvoltage protection	115% ~ 140% rated output power; no voltage trip level specified. Hiccup mode; automatic recovery after the fault clears.
Withstand voltage	Input to output: 1.5 kV; input to FG: 1.5 kV; output to FG: 0.5 kV. Test duration: 1 minute.
Insulation resistance	100 megohms at 500 VDC, 25 °C and 70% RH. Applies to input/output, input/FG and output/FG.

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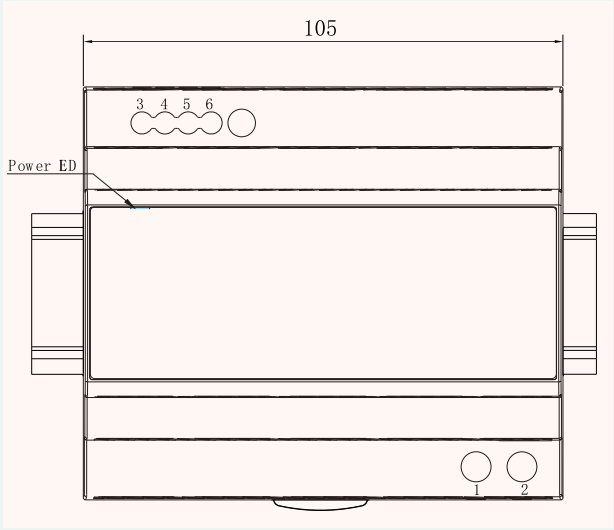
Mechanical dimensions and terminal assignments

03 Enclosure

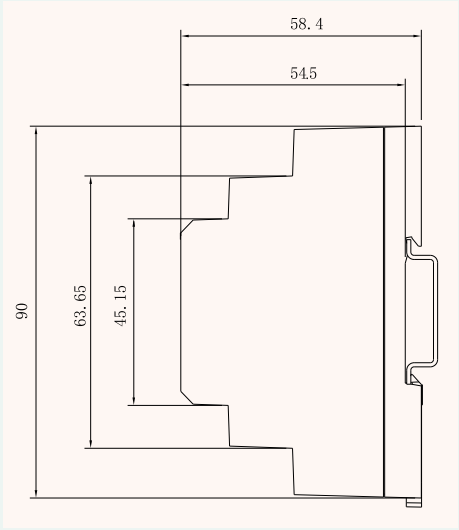
105 × 90 × 54.5 mm

WIDTH × HEIGHT × BODY DEPTH

Dimensions in mm. The side view shows a separate 58.4 mm extended depth.



FRONT ELEVATION

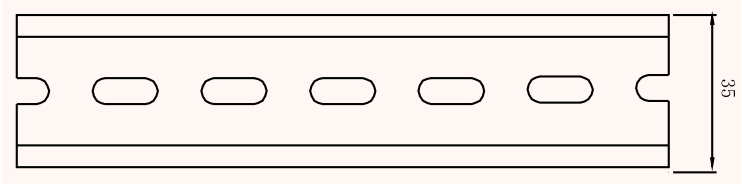


SIDE ELEVATION

Specimen nameplate print is omitted. Use the output table on page 1 for ratings.

04 Terminals and mounting

Pin number	Assignment
1	AC input, neutral (N)
2	AC input, line (L)
3, 4	DC output, negative
5, 6	DC output, positive



TS35/7.5 or TS35/15 DIN rail

Check the terminal markings on the installed unit before connecting power.

Unit weight	0.3 kg
Packing	Not specified.