

RACPRO1-RD40


The light and slim RACPRO1-RD40 is a high reliability n+1 DIN Rail redundancy diode module in extremely compact dimensions of 135 x 140.4mm with a width of only 43mm. The wide DC input range of 9V to 56V allows connection of Power Supplies with 12V, 24V and 48V outputs in n+1 redundancy operation up to 20A or up to 40A output in sharing/parallel operation. With highly efficient MOSFET-technology the module specially designed for demanding applications in the harsh industrial automation field with only 140mV voltage drop. These units will deliver up to 40A over the full -40°C to +70°C ambient temperature range with only convection cooling and maximum power loss of 5Wtyp. The unique and innovative modern design with 25° push-in connectors allows easy tool-less installation or replacement.

The product is certified according to the global safety standards IEC/EN/UL/CSA 62368-1. Electromagnetic radiated and conducted emissions are compliant to heavy industrial EN 61000-6-4 Class B emission standard and EN 61000-6-2 immunity standard.

Unique selling proposition:

Unique design with 25° Push-In connectors//Easy tool-less installation or replacement//Wide DC-Input 9V to 56V//Minimum Power Loss 5Wtyp. with MOSFET-technology//Very low voltage drop 140mV//Operating temperature -40°C to +70°C//Full Power up to +70°C without derating//Reduced no load power consumption <200mW//Highest Lifetime Expectancy 268.000h/40°C//Efficiency up to 99.5%//Width only 43mm//Low weight only 260g

Target customer:

Industrial Automation//Factory Automation//Building Automation//Process Automation//Power Generation//Energy Distribution//Test & Measurements//Infrastructure//Data & Telecom

Target applications examples:

Machinery Building Industry, e. g. tools, printing, packaging, woodworking, CNC, plastics//Applications inside of cabinets and other electronic enclosures//Renewable Energy, e. g. Wind, Photovoltaics, Biogas//Fossil Fuels//Process Controls//Battery Storage Systems//Power Distribution//Vendor//Traffic Engineering//Water Preparation//HVAC Systems

Main features:

Slim Design (43mm) with 25° Push-In connectors // Fast installation with toolless mounting and replacement//Wide DC-Input Range 9V to 56V//Operation with 12V, 24V & 48V power supplies//Highest Efficiency up to 99.5%//Very Low Voltage Drop 140mV//Minimum Power Loss 5Wtyp.//Reduced no load power consumption <200mW//Operating temperature -40°C/+70°C//Full Power -40°C/+70°C//Highest Lifetime Expectancy 268.000h/40°C//Width only 43mm//Low weight only 260g//Made in Europe

Global sales release date:

19th November 2025

Web release date:

5th November 2025

Available from sample stock:

RACPRO1-RD40

REFIN2U-S90/CL



REFIN2U-S90/CL the high-end AC/DC module of the ultra-slim 2U “step-shape” housings with push-in button terminals delivers 90 Watt continuous output power and 150% peak power for 4.5s. With its sister series of 30 and 60W in the same 36mm slim housing the REFIN product families cover a wide power range with a costeffective selection in just 2U to fit the same slot of an “flat distribution panel” in case of later increasing power requirements from the system.

Unique selling proposition:

Just 2U: The slimmest 90W Step-Shape DIN-Rail Module for Flat Panels on the Market / 150% boost power in a tiny step shape housing // audible suppression for silent home installation cabinet // No load power consumption < 300mW // up to 93.6% Efficiency System integrators // Cabinet construction // building automation // electricians //

Target customer:**Target applications examples:**

House automation // industrial automation // flat panels // tiny machinery // energy management systems

Main features:

Wide range input for 100-240VAVC and DC input operation from 88 to 370VDC // wide DC Adjustment range // parallel operation provided // constant current limitation // NEC class 2 output ratings // light weight of just 151g // constant current limited output

Global sales release date:

19th November 2025

Web release date:

5th November 2025

Available from sample stock:

REFIN2U-S90/24/CL