

RACM16E-K/277 Series

The encapsulated AC/DC power supplies RACM16E-K/277 series features a compact 1"x2" print mount module footprint with corresponding pinning [P12] or comes with stranded wires. It operates up 5000m in OVC II or up to 3000m in OVCIII installations from an extended universal AC input range of 85 to 305Vac to provide regulated outputs from 3.3V to 30 with CV/CC constant current limited overcurrent protection, suitable for driving nonlinear loads. Designed for cost-effectiveness, these modules deliver a full 16W output power at temperatures up to 65°C and under safety agency-rated temperature range up to +85°C it ensures reliable performance. Certified with 2MOPP for altitudes up to 4000m, it also meets touch current limits for BF usage in medical health care applications. Optimized for standby power usage the no load power consumption is less than 100mW. The power supplies hold international safety certifications conforming to industrial IEC62368 and IEC61558 standards, medical UL/IEC/EN60601 standards, and household EN60335 standards.

Unique selling proposition:

CC constant current limited overcurrent protection to drive nonlinear load // OVC III ratings up to 3000m // 2MOPP certified and prepared for use in BF rated healthcare applications // household certified

Target customer:

industrial Automation; measurement equipment; medical homecare devices; building automation; household equipment

Target applications examples:

The special overload protection function with constant current limitation is targeting to drive applications with non-linear loads like motors. Due to mechanical flexibility and an extra wide bunch of safety approvals this series is targeting multiple use.

Main features:

1"x2" industrial standard footprint and pinning [P12] // CC constant current limited overcurrent protection to drive nonlinear load // economical design // Full 16W output power up to 65°C over extended nominal input voltage ratings of 100-277Vac // safety agency rated temperature to +85°C and guaranteed operation to -40°C // // 2MOPP rating and BF ready touch current for use in medical health care applications // <100mW standby mode power consumption // international safety certifications to industrial IEC62368 and IEC61558 standards, to medical UL/IEC/EN60601 and to household EN60335 standards for fast compliant integration into a wide range of application usage.

Global sales release date:

13 March 2024

Web release date:

31 January 2024

Available from sample stock:

RACM16E-05SK/277

RACM15E-K Series

RACM15E-K, the cost-effective chameleons among AC/DC power supply series, adheres to different connection and mounting criteria such as open card placement for connection via pre-assembled harness, or IP20-protected enclosures with push-in terminals for direct fixation to mounting plates, as well as for snapping onto 1.5U DIN rail slot width. CV/CC regulated output voltages from 3.3 to 30Vdc with overcurrent limited power of 15 Watt are provided under still air convection at -40° to 50°C ambient temperature. International certifications to medical; household; industrial and safety transformer standards ensure simplified integration into applications for use up to 5000m altitude or 3000m at OVC III overvoltage rating requirements. All models meet EN55032 Class "B" EMI guidelines in floating load configurations.

Unique selling proposition:

Optimized mechanical design for flexible fitting into various installation situations from panel mount to built in // Full load operation from -40° to 50°C without any restrictions related to mains voltage // Push-In terminals for tool less connection of hard wires and any pushing aid to contact stranded wires // narrow footprint of just 26mm width, enclosure included // constant current over load limitation // OVC III up to 3000m altitude

Target customer:

industrial Automation; measurement equipment; medical homecare devices; building automation; household equipment;

Target applications examples:	The special overload protection function with constant current limitation is targeting to drive applications with non-linear loads like motors. Due to mechanical flexibility and an extra wide bunch of safety approvals this series is targeting multiple use.
Main features:	mechanical adaptations for Panel- and DIN-rail mount or for open card fixing / 1" x 3" narrow footprint open card or Din-Rail module with 1.5 U slot with no need for adjacent distances / CC constant current limited overcurrent protection to drive nonlinear load / economical design /-40°C to +85°C operating temperature safety ratings / OVC III over voltage category @ up to 3000m Altitude and 5000m rated altitude to OVCII regulations / 2MOPP rating; BF ready by low touch current for medical applications / EN55032 class "B" ratings with sufficient margin under floating output connections to ease system integration and limiting filtering efforts //
Global sales release date:	13 March 2024
Web release date:	31 January 2024
Available from sample stock:	RACM15E-12SK/OF