

New generation available: DN4014
 Article discontinued as of 31.March 2017

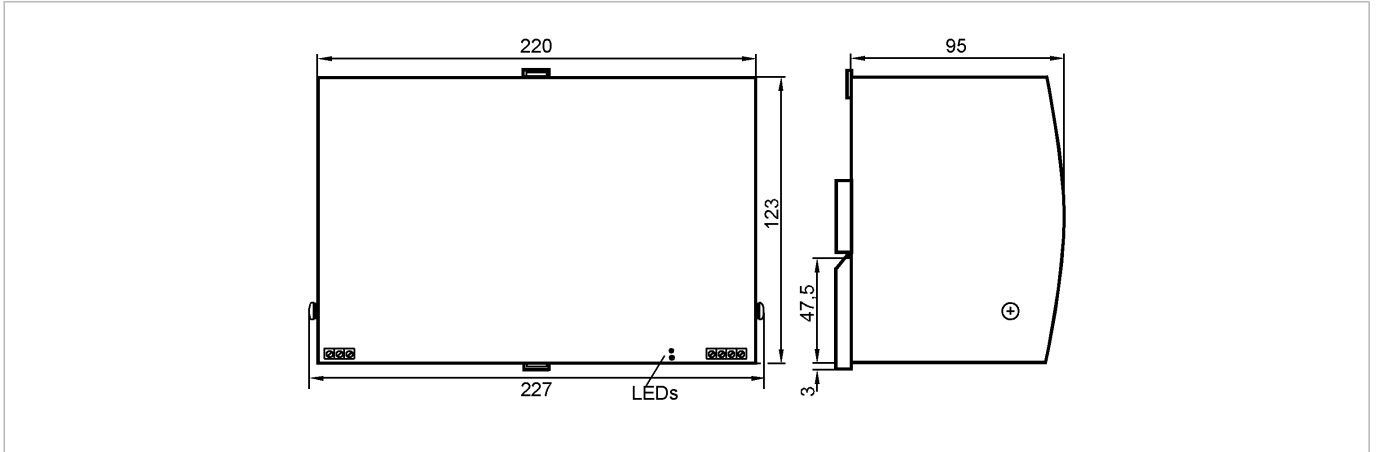
ecomat200

DN2114



POWER SUPPLY/24VDC/20A

Evaluation systems, power supplies



Product characteristics

Switched-mode power supply 24 V DC

autorange

Primary switched mode

Output current 20 A, regulated

Application

Application

regulated power supply for sensors, actuators, evaluation electronics and plcs

Electrical data

Input voltage range [V]

85...132 AC / 184...264 AC

Nominal voltage [V]

115 / 230 AC

Nominal frequency [Hz]

47...63

Output voltage [V]

24...28 DC, $\pm 2\%$ *)

Output current [A]

20

Residual ripple [%]

< 0.1

Switch-on peak current [A]

< 85

Efficiency [%]

90

Short-circuit protection

yes

Overload protection

yes

Power-on delay time [ms]

< 80

Mains buffering time [ms]

15 / 30

Protection class

I

Overvoltage protection (OVP) [V]

33

Outputs

Output

Output current 20 A, regulated

Environment

Ambient temperature [°C]

0...60

Protection

IP 20

Tests / approvals

EMC

EN 50081-1
 EN 61000-6-2

MTTF [Years]

112

Mechanical data

Housing materials

aluminum

Installation

rail TH35 (to EN 60715)

Weight [kg]

1.861

Displays / operating elements

DN2114 - Switched-mode power supply 24 V DC - eclass: 27049002 / 27-04-90-02

Function display LED | green: output voltage; red: lights for overload, flashes for short circuit

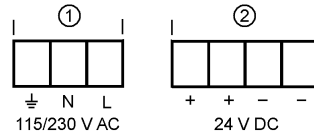
Electrical connection

Connection

terminals 1.5 up to 6 mm²

Wiring

1: primary, 2: secondary



Remarks

Remarks

primary fuse: circuit-breaker 20 A; B (115 V) / 10 A; B (230 V)
 Protection class according to IEC 61140
 *) adjustable

Pack quantity

[piece]

1

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