



CN487U

**RCCB 4P 100A 100mA A S**

**Technical Features**

**Architecture**

Type of pole	3P+N
--------------	------

**Electric current**

Rated current	100 A
Rated residual operating current I <sub>dn</sub>	100 mA
Breaking and opening capacity I <sub>dm</sub>	1.50 kA
Rated conditional short-circuit current I <sub>nc</sub> according to EN61008-1	6 kA
Rated current -25°C	100 A
Rated current at -20°C	100 A
Rated current -15°C	100 A
Rated current -10°C	100 A
Rated current -5°C	100 A
Rated current at 0°C	100 A
Rated current 5°C	100 A
Rated current 10°C	100 A
Rated current 15°C	100 A
Rated current at 20°C	100 A
Rated current 25°C	100 A
Rated current 30°C	100 A
Rated current 35°C	100 A
Rated current at 40°C	100 A
Rated current at 45°C	99 A
Rated current at 50°C	94 A
Rated current 55°C	90 A
Rated current 60°C	83 A
Rated current 65°C	72 A
Rated current 70°C	59 A

**Installation, mounting**

Nominal tightening torque top terminal	3.30 - 3.30 Nm
Nominal tightening torque down terminal	3.30 - 3.30 Nm

**Voltage**

Rated operational voltage U <sub>e</sub>	230 - 400 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Max. operating voltage	440 V

**Frequency**

Frequency	50 - 50 Hz
-----------	------------

**Capacity**

Number of modules	4
-------------------	---

**Compatibility**

Suitable for DIN Rail	Yes
-----------------------	-----

**Safety**

Residual current type	A SEL
Ingress Protection (IP) class	IP20

**Installation, mounting**

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal
Nominal tightening torque	3.30 - 3.30 Nm

---

**Connection**

Cross-section of input and output with screws, for massive conductors	1 - 50 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 35 mm <sup>2</sup>
Cross-section flexible conductor	35 mm <sup>2</sup> max.
Cross-section rigid conductor	50 mm <sup>2</sup> max.

**Power**

Total power loss under IN	30.20 W
---------------------------	---------

**Use conditions**

Max. Altitude	2000 m
---------------	--------

**Endurance**

Electric endurance in number of cycles	2000
Number of mechanical operations	4000

**Connectivity**

Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

**Dimensions**

Height	86 mm
Width	70 mm
Depth	70 mm

**Sustainability**

RoHS conform	Yes
--------------	-----