



CE241J

### RCCB 2P 40A 100mA AC Class

#### Technical Features

##### Architecture

Type of pole	1P+N
--------------	------

##### Electric current

Rated current	40 A
Rated residual operating current $I_{dn}$	100 mA
Breaking and opening capacity $I_{dm}$	1.50 kA
Rated conditional short-circuit current $I_{nc}$ according to EN61008-1	6 kA
Rated current -25°C	40 A
Rated current at -20°C	40 A
Rated current -15°C	40 A
Rated current -10°C	40 A
Rated current -5°C	40 A
Rated current at 0°C	40 A
Rated current 5°C	40 A
Rated current 10°C	40 A
Rated current 15°C	40 A
Rated current at 20°C	40 A
Rated current 25°C	40 A
Rated current 30°C	40 A
Rated current 35°C	40 A
Rated current at 40°C	40 A
Rated current at 45°C	38 A
Rated current at 50°C	37 A
Rated current 55°C	34 A
Rated current 60°C	30 A
Rated current 65°C	26 A
Rated current 70°C	21 A

##### Installation, mounting

Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

##### Voltage

Rated operational voltage $U_e$	230 - 230 V
Type voltage supply	AC
Rated insulation voltage $U_i$	500 V
Rated impulse withstand voltage $U_{imp}$	4000 V
Max. operating voltage	253 V

##### Frequency

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

##### Capacity

Number of modules	2
-------------------	---

##### Compatibility

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

##### Safety

Residual current type	AC
Ingress Protection (IP) class	IP20

##### Installation, mounting

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
Nominal tightening torque	2.80 - 2.80 Nm

---

**Connection**

Cross-section of input and output with screws, for massive conductors	1 - 25 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>

---

**Power**

Total power loss under IN	3.20 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	83 mm
Width	35 mm
Depth	70 mm

---

**Sustainability**

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