



## RCCB 1P+N 25A 30mA B

CDB525T

### Architecture

Neutral position	right
Number of poles	2 P
Type of pole	1P+N
Fixing mode	DIN rail type O (symmetrical)

### Connectivity

Bottom connection alignment for modular devices	Aligned terminal
Top connection alignment for modular devices	Aligned terminal

### Main electrical features

Frequency	50 Hz
Type of supply voltage	AC

### Voltage

Rated insulation voltage	400 V
Max operating voltage	253 V
Rated impulse withstand voltage	4000 V

### Electric current

Rated residual operating current	30 mA
Withstand not tripping on 8-20 $\mu$ s wave	5 kA
Breaking and opening capacity	800 A
Rated conditional short-circuit current $I_{nc}$ according to EN 61008-1	10 kA

### Electric current / temperature

Rating current -15°C	25 A
Rating current -20°C	25 A
Rating current 0°C	25 A
Rating current 10°C	25 A
Rating current -10°C	25 A
Rating current 15°C	25 A
Rating current 20°C	25 A
Rating current 25°C	25 A
Rating current -25°C	25 A
Rating current 30°C	25 A

Technical Properties

Rating current 35°C	25 A
Rating current 40°C	25 A
Rating current 45°C	25 A
Rating current 5°C	25 A
Rating current -5°C	25 A
Rating current 50°C	25 A
Rating current 55°C	25 A
Rating current 60°C	25 A
Rating current 65°C	25 A
Rating current 70°C	25 A

**Power**

Total power loss under IN	1,77 W
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**Tripping**

Short-time delayed tripping	no
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**Endurance**

Electric endurance in number of cycles	10000
Number of mechanical operations	20000

**Dimensions**

Depth of installed product	70 mm
Height of installed product	85 mm
Width of installed product	72 mm
Construction size (DIN 43880)	1

**Installation, mounting**

Type of top connection for modular devices	with screw
Type of bottom rail clip for modular devices	plastic
Type of top rail clip for modular devices	Plastic
Type of Bottom Connection for modular devices	Blconnect
Bottom removability for modular devices	yes
Top removability for modular devices	yes

**Connection**

Connection cross-section at output with screw, for flexible conductor	1/16 mm <sup>2</sup>
Connection cross-section of the access with screws, with flexible conductor	1/16 mm <sup>2</sup>
Connection cross-section at output with screw, for massive conductor	1/25 mm <sup>2</sup>
Connection cross-section for rigid conductor, upstream terminals with screws	1/25 mm <sup>2</sup>

**Equipment**

Can be accessorized	yes
Quick connect	no
Type selective	no

**Standards**

Standard text	IEC 61008-1, IEC 62423, AS/NZS 61008-1
European directive WEEE	not concerned

**Safety**

Protection index IP	IP20
Residual current type	B
Rated impulse withstand voltage according to IEC 60947-3	6000 V

**Use conditions**

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m