

Catalogue No: **DSRCB-16-30-AI**

RCBO DIN-SAFE 6kA 1P+N 16A C CURVE 30mA Type AI

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe RCBO (2P Width) > 10kA RCBO without Pigtail



MCB/RCD 6KA 1PN 6A 30MA

- Complies with AS/NZS 61009 (RCBOs)
- DSRCB RCBOs feature 10 kA short circuit rating (AI is 6 kA)
- Type A RCD
- Non-pigtail model with switched neutral
- Pigtail model with unswitched neutral
- 30 mA sensitivity general personnel protection applications
- 10 mA sensitivity option for higher risk applications
- 100 mA sensitivity option
- C trip curve for general light and power applications
- Fast connection pin / fork busbar comb
- Suits pole-covers, loadcentres and the Conecpt range of Panelboards
- Approval No. NSW17482 or RCM
- 10 mA units compliant with Type 1 requirements

Representative Photo Only
(actual product may vary based on configuration selections)

SPECIFICATIONS

Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	AI
Poles	1P + N
Number of Poles versus Modules	2
In, Rated Current at 30°C	16 A @30°C
Rated Frequency	50 / 60 Hz
Icn, Rated Short Circuit Capacity	6 kA
IΔc, Rated Conditional Residual Short-Circuit Current	6 kA
IΔn, Rated Leakage Current	30 mA
Tripping Time at IΔn, Instantaneous	<40 ms
U _{bmin} , Service Voltage, AC, Min	117 V AC
U _{bmax} , Service Voltage, AC, Max	255 V AC
U _{imp} , Impulse Withstand Voltage, 1.2/50μs	6 kV, 1.2/50μs
Neutral Pole Switched	Yes
Neutral Pole Protected	Yes
Centre Trip Position	No
Padlockable	Yes
Isolator Application, IEC 60947-2	Yes
Trip-Free Mechanism	Yes
Un, Nominal Operational Voltage, AC	240 V AC
Un, Nominal Operational Voltage(s), AC	230 V AC 240
Selectivity Class (IEC 60898)	A
IΔm, Rated Residual Make/Break Capacity	6000 A
Shock Duration (Max.)	5 ms
Ui, Rated Insulation Voltage	440 V (rms)
Dielectric Strength	2500V V AC

Catalogue No: **DSRCB-16-30-AI**

RCBO DIN-SAFE 6kA 1P+N 16A C CURVE 30mA Type AI

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe RCBO (2P Width) > 10kA RCBO without Pigtail



Electrical Service Life at Un, In	10000 cycles
Mechanical Service Life	20000 cycles
IP Rating, Inside	IP40
IP Rating, Outside	IP20
Operating Temperature, Max	55 °C max
Operating Temperature, Min	-5 °C min
Storage Temperature, Max	70 °C max
Storage Temperature, Min	-25 °C min
Relative Humidity, Max	95 %RH
Conductor Entry Position	Top / Bottom
Busbar System, Bottom	Fork Pin
Wire / Conductor Size, Flex Cable, Top, Max	16 mm ² Top
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm ² Bottom
Wire / Conductor Size, Flex Cable, In, Min	1 mm ² In
Wire / Conductor Size, Flex Cable, Out, Min	1 mm ² Out
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm ² Top
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm ² Bottom
Wire / Conductor Size, Rigid Cable, In, Min	1 mm ² In
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm ² Out
Insulation Resistance	1000 MΩ
Tightening Torque, Top, Nominal	3 Nm
Tightening Torque, Bottom, Nominal	4 Nm
Add-On Devices (side add-on)	Auxiliary Contacts PBS Tele L Tele M Tele U
Sealable	No
Mounting	DIN-35 Rail Mount
Height	86 mm
Width	36 mm
Depth	68 mm
Weight	0.25 kg
Package Quantity	6 qty
Standards Compliance	AS/NZS 61009 EN 61009-1 IEC 61009-1
Shock Acceleration (Max.)	40 g
Shock Rating	IEC 60077-16-3
Vibration Acceleration (Max.)	1.5 m/s ²
Vibration Frequency, Operational (Max.)	80 Hz
Vibration Duration (Max.)	30 min
Vibration Rating	IEC 60068-2-6
Certifications	CE RCM

Catalogue No: **DSRCB-16-30-AI**

RCBO DIN-SAFE 6kA 1P+N 16A C CURVE 30mA Type AI

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe RCBO (2P Width) > 10kA RCBO without Pigtail



REFERENCES

IECEx Certificate -

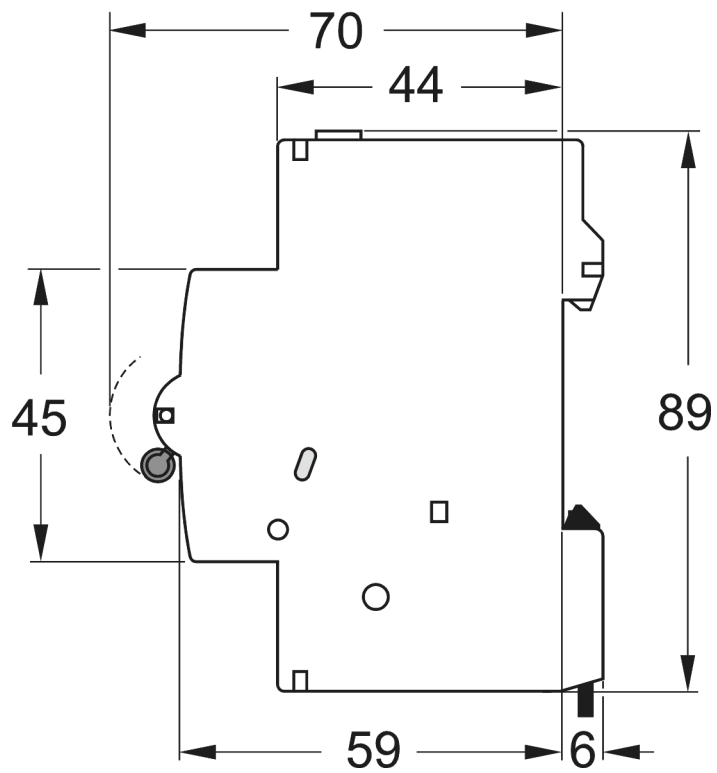
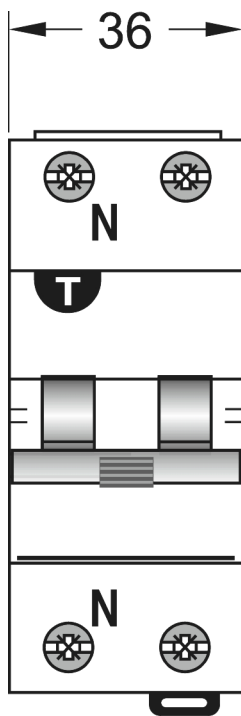
Supplier Declaration of Conformity: -

Installation Guide: -

User Manual: -

Manufacturer Datasheet: -

Manufacturer Catalogue & Product Selection: -



Dimension Diagram

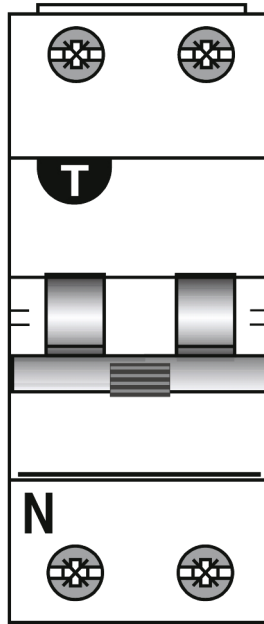
Catalogue No: **DSRCB-16-30-AI**

RCBO DIN-SAFE 6kA 1P+N 16A C CURVE 30mA Type AI

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe RCBO (2P Width) > 10kA RCBO without Pigtail



Neutral Active



Neutral Active

Connection / Wiring Diagram