

Catalogue No: **DSRCBH-10-30-A**

RCBO DIN-SAFE 10kA 1P+N 10A C CURVE 30mA TYPE A LONGBODY

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe RCBO Single Pole Width 10kA (DSRCBH) > DSRCBH 10kA C Curve



MCB/RCD 1P 10A 30MA 10KA DIN-T

- Complies with AS/NZS 61009 (RCBOs)
- DSRCBH RCBOs feature 10kA short circuit rating
- C curve for general light, power and motor starting applications
- D trip curve for high inrush, motorstarting and transformer applications
- Type A RCD
- 30 mA sensitivity general personnel protection applications
- 10 mA sensitivity option for higher risk applicaitons
- 100 mA sensitivity option
- Single screw RCBO features a neutral pigtail saving cable and installation time
- Pad lockable and sealable toggle restricts unauthorized action
- Fast connection pin/fork busbar comb or NC or GB busbar chassis
- Suits metal loadcentres and the Concept range of Panelboards
- Approval No. N17482 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	A
Poles	1P + N
Number of Poles versus Modules	1
In, Rated Current at 30°C	10 A @30°C
Rated Frequency	50 / 60 Hz
Icn, Rated Short Circuit Capacity	10 kA
IΔc, Rated Conditional Residual Short-Circuit Current	10 kA
IΔn, Rated Leakage Current	30 mA
Tripping Time at IΔn, Instantaneous	<40 ms
U _{bmin} , Service Voltage, AC, Min	195 V AC
U _{bmax} , Service Voltage, AC, Max	265 V AC
U _{imp} , Impulse Withstand Voltage, 1.2/50μs	6 kV, 1.2/50μs
Neutral Pole Switched	No
Neutral Pole Protected	No
Centre Trip Position	No
Padlockable	Yes, Captive and Non-Captive (Ordered Separately)
Isolator Application, IEC 60947-2	Yes
Trip-Free Mechanism	Yes
Un, Nominal Operational Voltage, AC	240 V AC
Selectivity Class (IEC 60898)	A
I _m , Rated Make/Break Capacity	100 A
IΔ _m , Rated Residual Make/Break Capacity	10000 A
Shock Duration (Max.)	5 ms

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Ui, Rated Insulation Voltage	500 V (rms)
Dielectric Strength	2500V V AC
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	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	4.5 Nm
Add-On Devices (side add-on)	Panelboard Switch
Sealable	Yes
Mounting	DIN-35 Rail Mount
Height	125 mm
Width	18 mm
Depth	76 mm
Weight	0.35 kg
Package Quantity	1 qty
Approval(s)	N17482
Standards Compliance	IEC 60077-16-3 IEC 60068-2-6 UL 94 V-2 IEC 60068-2 DIN 40046 IEC 60947-1
Shock Acceleration (Max.)	40 g
Shock Rating	IEC 60077-16-3
Vibration Acceleration (Max.)	2 m/s ²
Vibration Frequency, Operational (Max.)	80 Hz
Vibration Duration (Max.)	30 min
Vibration Rating	IEC 60068-2-6
Certifications	CE RCM

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REFERENCES

IECEX Certificate

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Supplier Declaration of Conformity:

[DSRCBHxxxxx_Supplier Declaration of Conformity \(SDoC\)](#)

Installation Guide:

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User Manual:

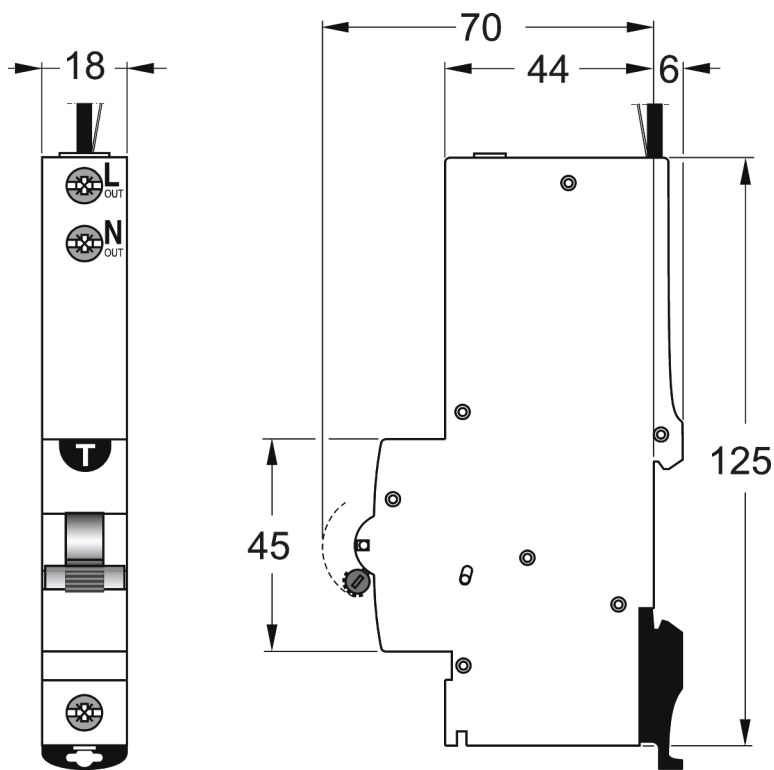
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Manufacturer Datasheet:

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Manufacturer Catalogue & Product Selection:

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Dimension Diagram

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