

# Catalogue No: **DSRCBH-20-30-A**

## RCBO DIN-SAFE 10kA 1P+N 20A 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 20A 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
$I_{\Delta c}$ , Rated Conditional Residual Short-Circuit Current	10 kA
Tripping Time at $I_{\Delta n}$ , Instantaneous	<40 ms
$I_n$ , Rated Current at 30°C	20 A @30°C
$I_{\Delta n}$ , Rated Leakage Current	30 mA
Neutral Pole Protected	No
Number of Poles versus Modules	1
Poles	1P + N
Rated Frequency	50 / 60 Hz
$U_n$ , Nominal Operational Voltage, AC	240 V AC
$U_{bmin}$ , Service Voltage, AC, Min	195 V AC
$U_{bmax}$ , Service Voltage, AC, Max	265 V AC
Selectivity Class (IEC 60898)	A
$I_m$ , Rated Make/Break Capacity	200 A
$I_{\Delta m}$ , Rated Residual Make/Break Capacity	10000 A
$I_{nc}$ , Rated Conditional Short Circuit Current	10 kA
$I_{\Delta c}$ , Rated Conditional Residual Short-Circuit Current	10000 A
$I_{cn}$ , Rated Short Circuit Capacity	10 kA
$U_{imp}$ , Impulse Withstand Voltage, 1.2/50 $\mu$ s	6 kV, 1.2/50 $\mu$ s
Isolator Application, IEC 60947-2	Yes
Shock Duration (Max.)	5 ms
$U_i$ , Rated Insulation Voltage	500 V (rms)
Approval(s)	N17482



# DIN-T

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DSRCBH2030A Datasheet

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Standards Compliance	IEC 60077-16-3 IEC 60068-2-6 UL 94 V-2 IEC 60068-2 DIN 40046 IEC 60947-1
Insulation Resistance	1000 MΩ
Dielectric Strength	2500V V AC
Electrical Service Life at Un, In	10000 cycles
Mechanical Service Life	20000 cycles
Shock Acceleration (Max.)	40 g
Shock Rating	IEC 60077-16-3
IP Rating, Inside	IP40
Conductor Entry Position	Bottom
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Flex Cable, In, Min	1 mm <sup>2</sup> In
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm <sup>2</sup> Top
Wire / Conductor Size, Flex Cable, Out, Min	1 mm <sup>2</sup> Out
Package Quantity	1 qty
Wire / Conductor Size, Rigid Cable, In, Min	1 mm <sup>2</sup> In
Wire / Conductor Size, Flex Cable, Top, Max	16 mm <sup>2</sup> Top
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm <sup>2</sup> Out
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm <sup>2</sup> Bottom
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm <sup>2</sup> Bottom
Tightening Torque, Top, Nominal	3 Nm
Tightening Torque, Bottom, Nominal	4.5 Nm
Busbar System, Bottom	Fork Pin
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
Add-On Devices (side add-on)	Panelboard Switch
Padlockable	Yes, Captive and Non-Captive (Ordered Separately)
Sealable	Yes
Centre Trip Position	No
Height	125 mm
Width	18 mm
Depth	76 mm
Weight	0.35 kg
Neutral Pole Switched	No
Operating Temperature, Min	-5 °C min
Operating Temperature, Max	55 °C max
Storage Temperature, Min	-25 °C min
Storage Temperature, Max	70 °C max
Relative Humidity, Max	95 %RH
Vibration Acceleration (Max.)	2 m/s <sup>2</sup>
Vibration Frequency, Operational (Max.)	80 Hz
Vibration Duration (Max.)	30 min
Vibration Rating	IEC 60068-2-6
Certifications	CE RCM

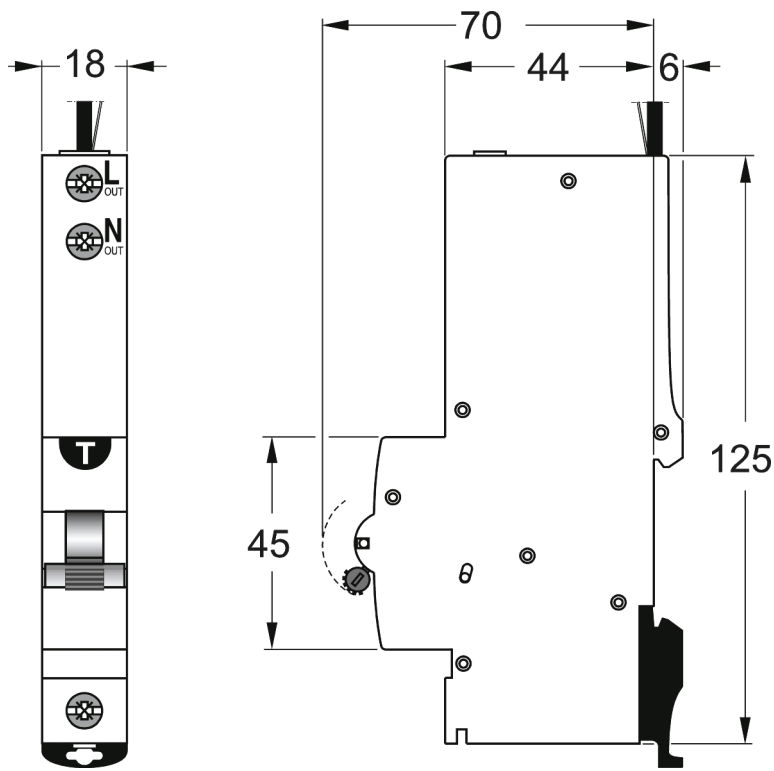
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REFERENCES	
IECEX Certificate	-
Supplier Declaration of Conformity:	<a href="#">DSRCBHxxxxx_Supplier Declaration of Conformity (SDoC)</a>
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram

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