

# Catalogue No: **DSRCBH6-20-30-A**

## RCBO DIN-SAFE 6kA 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 6kA (DSRCBH)



### RCBO DIN-SAFE 6kA 1P+N 20A C CURVE 30mA TYPE A LONGBODY

- Complies with AS/NZS 61009 (RCBOs)
- DSRCBH6 RCBOs feature 6kA short circuit rating
- C curve for general light, power and motor starting applications
- Type A RCD
- 30mA sensitivity general personnel protection applications
- 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 loadcentre's & Concept range of Panelboard's
- Approval No. N17482 or RCM

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	20 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 <sub>bmin</sub> , Service Voltage, AC, Min	195 V AC
U <sub>bmax</sub> , Service Voltage, AC, Max	265 V AC
U <sub>imp</sub> , 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
Im, Rated Make/Break Capacity	200 A
IΔm, Rated Residual Make/Break Capacity	6000 A
Shock Duration (Max.)	5 ms
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

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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	Pin Fork
Wire / Conductor Size, Flex Cable, Top, Max	16 mm <sup>2</sup> Top
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm <sup>2</sup> Bottom
Wire / Conductor Size, Flex Cable, In, Min	1 mm <sup>2</sup> In
Wire / Conductor Size, Flex Cable, Out, Min	1 mm <sup>2</sup> Out
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm <sup>2</sup> Top
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm <sup>2</sup> Bottom
Wire / Conductor Size, Rigid Cable, In, Min	1 mm <sup>2</sup> In
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm <sup>2</sup> 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	AS/NZS 61009 AS/NZS 61008-1 IEC 61008-1 IEC 61009-1 DIN 40046 UL 94 V-2
Shock Acceleration (Max.)	40 g
Shock Rating	IEC 60077-16-3
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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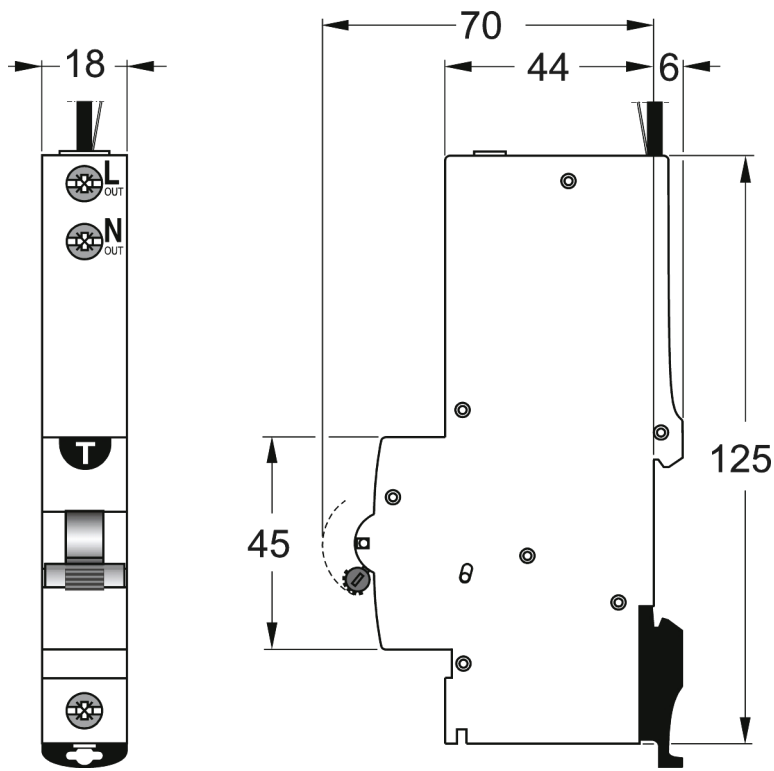
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### REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram

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