



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

RCBO DIN-SAFE 6kA 1P+N 16A 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

**SPECIFICATIONS**

Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	A
I <sub>Δc</sub> , Rated Conditional Residual Short-Circuit Current	6 kA
Tripping Time at I <sub>Δn</sub> , Instantaneous	<40 ms
I <sub>n</sub> , Rated Current at 30°C	16 A @30°C
I <sub>Δn</sub> , Rated Leakage Current	30 mA
Neutral Pole Protected	No
Number of Poles versus Modules	1
Poles	1P + N
Rated Frequency	50 / 60 Hz
U <sub>n</sub> , Nominal Operational Voltage, AC	240 V AC
U <sub>bmin</sub> , Service Voltage, AC, Min	195 V AC
U <sub>bmax</sub> , Service Voltage, AC, Max	265 V AC
I <sub>m</sub> , Rated Make/Break Capacity	160 A
I <sub>Δm</sub> , Rated Residual Make/Break Capacity	6000 A
I <sub>nc</sub> , Rated Conditional Short Circuit Current	6 kA
I <sub>Δc</sub> , Rated Conditional Residual Short-Circuit Current	6000 A
I <sub>cn</sub> , Rated Short Circuit Capacity	6 kA
U <sub>imp</sub> , Impulse Withstand Voltage, 1.2/50μs	6 kV, 1.2/50μs
Isolator Application, IEC 60947-2	Yes
Shock Duration (Max.)	5 ms
U <sub>i</sub> , Rated Insulation Voltage	500 V (rms)
Approval(s)	N17482
Standards Compliance	AS/NZS 61009 AS/NZS 61008-1 IEC 61008-1 IEC 61009-1 DIN 40046 UL 94 V-2

# Catalogue No: **DSRCBH6-16-30-A**

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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)



Insulation Resistance	1000 MΩ
Dielectric Strength	2500V
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	Pin Fork
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

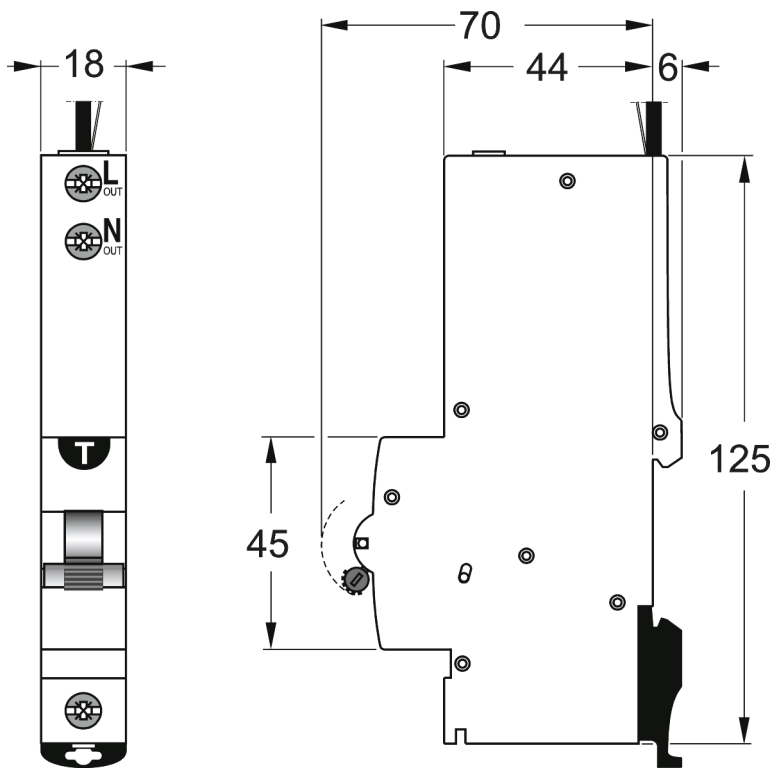
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REFERENCES	
IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram

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