



RCBO DIN-SAFE 6kA 1P+N 40A 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
I Δ c, Rated Conditional Residual Short-Circuit Current	6 kA
Tripping Time at I Δ n, Instantaneous	<40 ms
I _n , Rated Current at 30°C	40 A @30°C
I Δ 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
I _m , Rated Make/Break Capacity	400 A
I Δ m, Rated Residual Make/Break Capacity	6000 A
I _{nc} , Rated Conditional Short Circuit Current	6 kA
I Δ c, Rated Conditional Residual Short-Circuit Current	6000 A
I _{cn} , Rated Short Circuit Capacity	6 kA
U _{imp} , Impulse Withstand Voltage, 1.2/50 μ s	6 kV, 1.2/50 μ s
Isolator Application, IEC 60947-2	Yes
Shock Duration (Max.)	5 ms
U _i , 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: **DSRCBH6-40-30-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 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 ² In
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm ² Top
Wire / Conductor Size, Flex Cable, Out, Min	1 mm ² Out
Package Quantity	1 qty
Wire / Conductor Size, Rigid Cable, In, Min	1 mm ² In
Wire / Conductor Size, Flex Cable, Top, Max	16 mm ² Top
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm ² Out
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm ² Bottom
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm ² 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 ²
Vibration Frequency, Operational (Max.)	80 Hz
Vibration Duration (Max.)	30 min
Vibration Rating	IEC 60068-2-6
Certifications	CE RCM

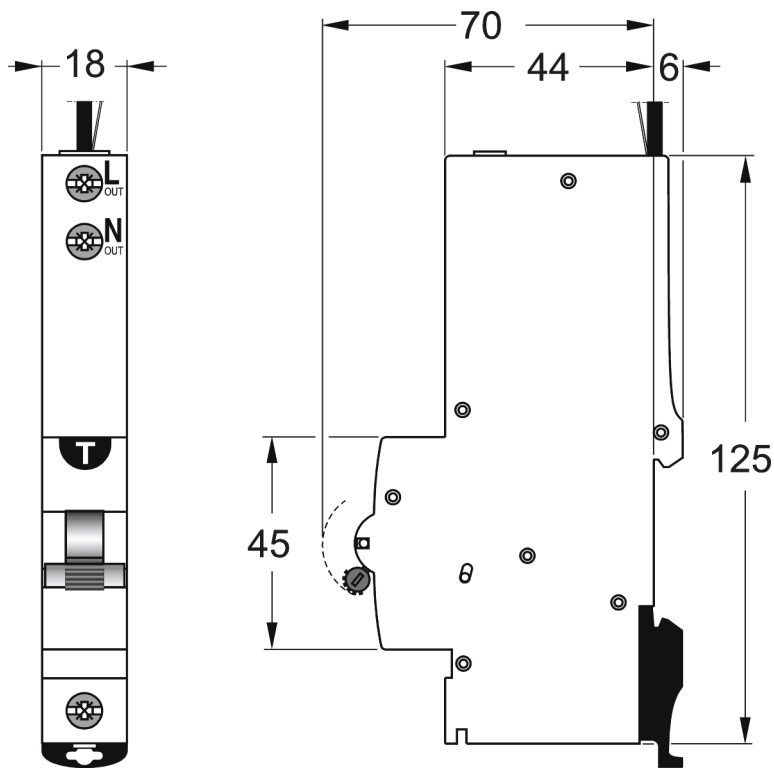
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REFERENCES	
IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram

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