Catalogue No: **DSRCBH-16-30-A**

RCBO DIN-SAFE 10kA 1P+N 16A 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



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

MCB/RCD 1P 16A 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
- 30mA sensitivity general personnel protection applications
- 10mA sensitivity option for higher risk applicaitons
- 100mA 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 loadcentre's & Concept range of Panelboard's
- Approval No. N17482 or RCM
- 10mA units compliant with Type 1 requirements

SPECIFICATIONS	
Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	A
IΔc, Rated Conditional Residual Short-Circuit Current	10 kA
Tripping Time at IΔn, Instantaneous	<40 ms
In, Rated Current at 30°C	16 A @30°C
IΔn, Rated Leakage Current	30 mA
Poles	1P + N
Neutral Pole Protected	No
Number of Poles versus Modules	1
Rated Frequency	50 / 60 Hz Hz
Un, Nominal Operational Voltage, AC	240 V AC
Ubmin, Service Voltage, AC, Min	195 V AC
Ubmax, Service Voltage, AC, Max	265 V AC
Selectivity Class (IEC 60898)	A
Im, Rated Make/Break Capacity	160 A
IΔm, Rated Residual Make/Break Capacity	10000 A
Inc, Rated Conditional Short Circuit Current	10 kA
IΔc, Rated Conditional Residual Short-Circuit Current	10000 A
Icn, Rated Short Circuit Capacity	10 kA
Uimp, Impulse Withstand Voltage, 1.2/50µs	6 kV, 1.2/50µs
Isolator Application, IEC 60947-2	Yes
Ui, Rated Insulation Voltage	500 V (rms)
Approval(s)	N17482
Insulation Resistance	1000 MΩ

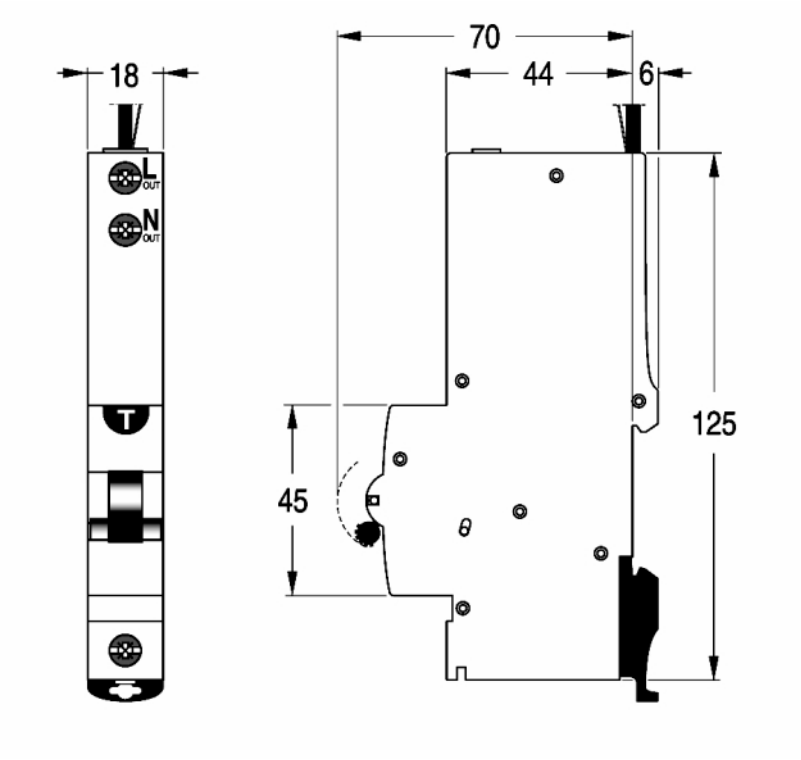
Dielectric Strength	2500V
Electrical Service Life at Un, In	10000 cycles
Mechanical service life	20000 cycles
IP Rating, Inside	IP40
Conductor Entry Position	Bottom
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Flex Cable, In, Min	1 mm² In
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm² Top
Wire / Conductor Size, Flex Cable, Out, Min	1 mm² Out
Package Quantity	1 qty
Wire / Conductor Size, Rigid Cable, In, Min	1 mm² In
Wire / Conductor Size, Flex Cable, Top, Max	16 mm² Top
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm² Out
Wire / Conductor Size, Rigid Cable, Bottom, Max	35 mm² Bottom
Wire / Conductor Size, Flex Cable, Bottom, Max	25 mm² 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 Y / N
Centre Trip Position	No Y / N
Height	125 mm
Width	18 mm
Depth	76 mm
Weight	0.35 kg
Neutral Pole Switched	Yes
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
Shock Acceleration (Max.)	40 g
Shock Duration (Max.)	5 ms
Shock Rating	IEC 60077-16-3
Vibration Acceleration (Max.)	2 g
Vibration Frequency, Operational (Max.)	80 Hz
Vibration Duration (Max.)	30 min
Vibration Rating	IEC 60068-2-6
Standards Compliance	IEC 60077-16-3 IEC 60068-2-6 UL 94 V-2 IEC 60068-2 DIN 40046 IEC 60947-1
Certifications	CE RCM

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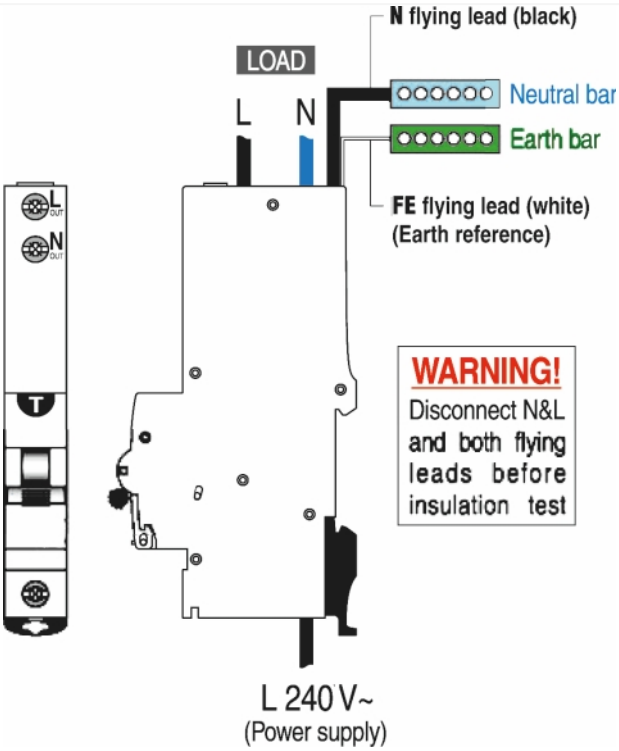
REFERENCES	
IECEx Certificate	-
Supplier Declaration of Conformity:	DSRCBHxxxxx_Supplier Declaration of Conformity (SDoC)
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram

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Connection / Wiring Diagram