

Catalogue No: **DSRCBH-6-40-30-A**

RCBO DIN-SAFE 6kA 1P+N 40A 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)



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

RCBO DIN-SAFE 6kA 1P+N 40A C CURVE 30mA TYPE A LONGBODY

- Approval No NSW17482 or RCM

SPECIFICATIONS

Component Type MCBs RCDs RCBOs	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	A
Tripping Time at $I_{\Delta n}$, Instantaneous	<300 ms
I_n , Rated Current at 30°C	40 A @30°C
$I_{\Delta n}$, Rated Leakage Current	30 mA
Poles	1P + N
Number of Poles versus Modules	1
Rated Frequency	50 / 60 Hz Hz
U_n , Nominal Operational Voltage, AC	240 V AC
U_{bmin} , Service Voltage, AC, Min	100 V AC
U_{bmax} , Service Voltage, AC, Max	255 V AC
$I_{\Delta m}$, Rated Residual Making & Breaking Capacity	6000 A
I_{cn} , Rated Short Circuit Capacity	6 kA
Isolator Application, IEC 60947-2	Yes
U_i , Rated Insulation Voltage	500 V (rms)
Approval Number	NSW 17482
Shock Voltage	1.2/50ms@6kV
Insulation Resistance	1000 MΩ
Dielectric Strength	2500V
Electrical Service Life at U_n , I_n	10000 cycles
Mechanical service life	20000 cycles
IP Rating, Inside	IP40
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm ² Top
Package Quantity	1 qty



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Wire / Conductor Size, Flex Cable, Top, Max	16 mm ² Top
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	3 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
Operating Temperature, min	-5 °C min
Operating Temperature, Max	60 °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	AS/NZS 61009 AS/NZS 61008-1 IEC 61008-1 IEC 61009-1 DIN 40046 UL 94 V-2

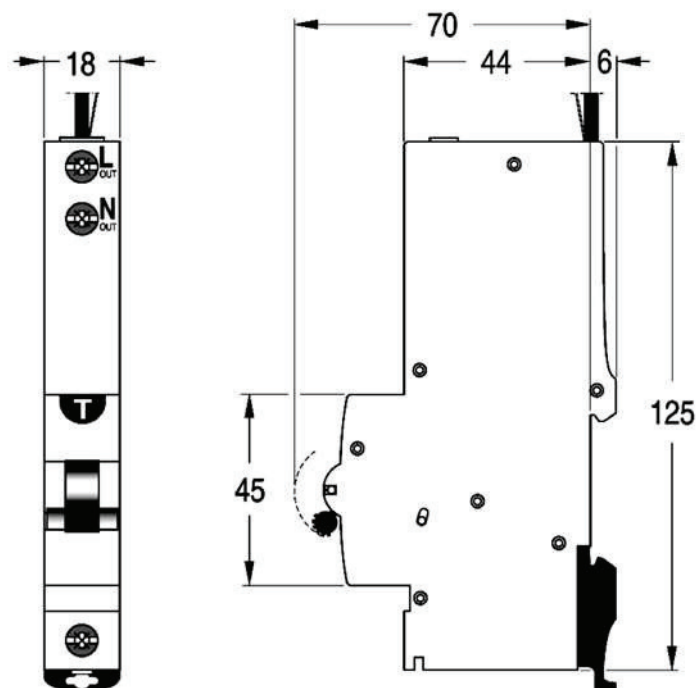
REFERENCES

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

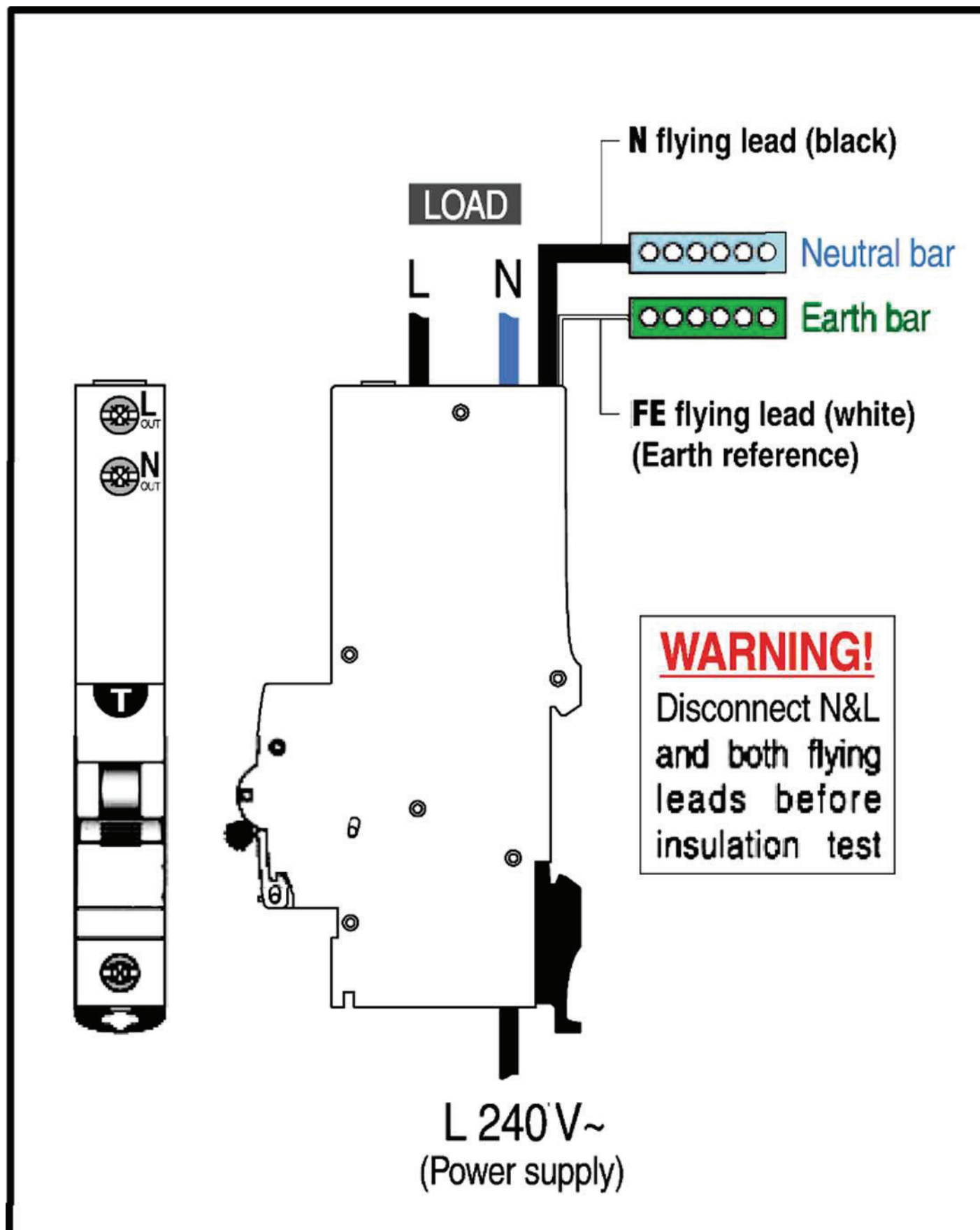
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Dimension Diagram



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Connection / Wiring Diagram



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