

Catalogue No: **DSRCBS-20-30-CAN**

RCBO DINSAFE 6kA 1P+N 20A C CURVE 30mA TYPE A S/NEUT PIGTAIL

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe RCBO Compact Single Pole Width 6kA (DSRCBS) > DSRCBS 6kA C Curve Switched Neutral



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

RCBO DINSAFE 6kA 1P+N 20A C CURVE 30mA TYPE A S/NEUT PIGTAIL

- Approval No NSW24576 or RCM

SPECIFICATIONS

Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	A (Switched Neutral)
Tripping Time at $I_{\Delta n}$, Instantaneous	<300 ms
I_n , Rated Current at 30°C	20 A @30°C
$I_{\Delta n}$, Rated Leakage Current	30 mA
Poles	1P + N
Neutral Pole Protected	Yes
Number of Poles versus Modules	1
Rated Frequency	50 / 60 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 Make/Break Capacity	3000 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
U_i , Rated Insulation Voltage	500 V (rms)
Approval(s)	N24576
Insulation Resistance	1000 M Ω
Dielectric Strength	2500V
Electrical Service Life at U_n , I_n	1000 cycles
Mechanical service life	2000 cycles
IP Rating, Inside	IP40
IP Rating, Outside	IP20
Flammability Rating (UL94)	UL 94 V-2
Wire / Conductor Size, Rigid Cable, Top, Max	16 mm ² Top
Package Quantity	1 qty



DIN-T

NHP Electrical Engineering Products
1300 NHP NHP | nhp.com.au | 0800 NHP NHP | nhp-nz.com

DSRCBS2030CAN Datasheet
14 August 2018, Page 3269 o

Catalogue No: **DSRCBS-20-30-CAN**

RCBO DINSAFE 6kA 1P+N 20A C CURVE 30mA TYPE A S/NEUT PIGTAIL

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe RCBO Compact Single Pole Width 6kA (DSRCBS) > DSRCBS 6kA C Curve Switched Neutral



Wire / Conductor Size, Flex Cable, Top, Max	16 mm ² Top
Wire / Conductor Size, Rigid Cable, Bottom, Max	25 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
Trip-Free Mechanism	Yes
Mounting	DIN-35 Rail Mount
Add-On Devices (side add-on)	Auxiliary Contacts UVT Shunt Trip Motor Operator Panelboard Switch
Padlockable	Yes, Non-Captive only (Ordered Separately)
Sealable	Yes Y / N
Centre Trip Position	No Y / N
Height	86 mm
Width	18 mm
Depth	76 mm
Weight	0.3 kg
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.)	1.5 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 IEC 60947-1 DIN 40046 AS/NZS 61009

REFERENCES

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



DIN-T

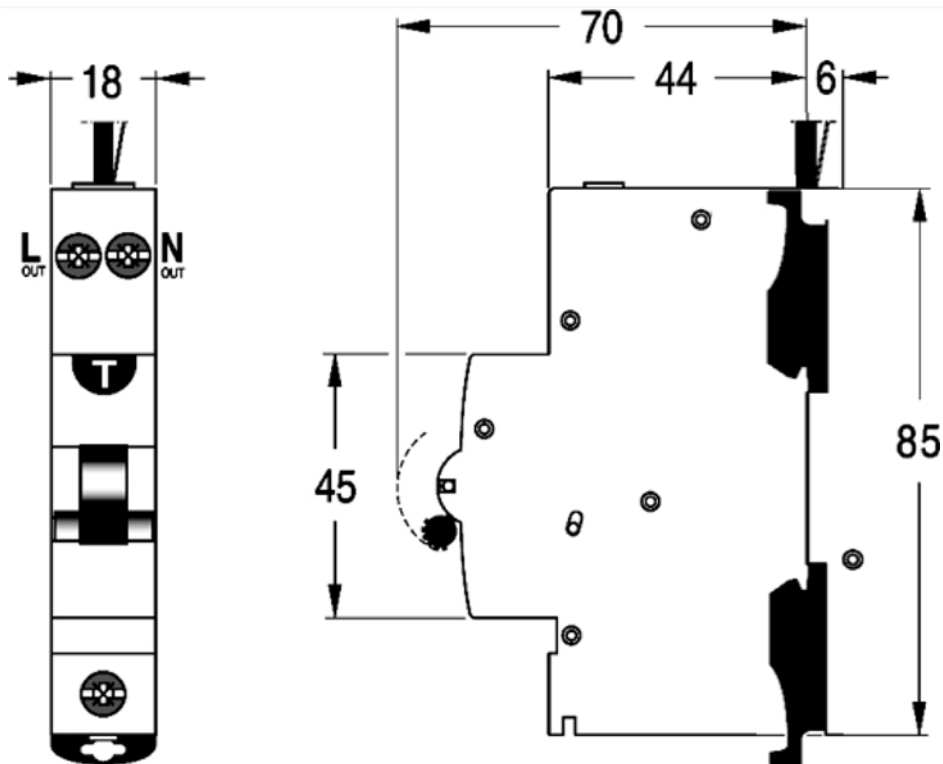
NHP Electrical Engineering Products
1300 NHP NHP | nhp.com.au | 0800 NHP NHP | nhp-nz.com

DSRCBS2030CAN Datasheet
14 August 2018, Page 3270 o

Catalogue No: **DSRCBS-20-30-CAN**

RCBO DINSAFE 6kA 1P+N 20A C CURVE 30mA TYPE A S/NEUT PIGTAIL

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe RCBO Compact Single Pole Width 6kA (DSRCBS) > DSRCBS 6kA C Curve Switched Neutral



Dimension Diagram