

# Catalogue No: **DSRCBT5030A**

## DIN-SAFE RCBO 3P+N 10kA 50A C CURVE 30mA Type A 54mm

Power Distribution and Protection > Circuit Breakers > Miniature Circuit Breakers and Earth Leakage Protection (RCDs and RCBOs) > DIN-Safe Residual Current Device > DIN-Safe 3P RCBO (Panelboards)



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

### RCBO DIN-T 10kA 3P+N 50A C CURVE 30mA TYPE A RCD

- Complies with AS/NZS 61009 (RCBOs)
- DSRCBT DIN-T RCBOs feature 10kA short circuit rating
- C-Curve for general light, power and motor starting applications
- Type A RCD
- 30mA sensitivity for general personnel protection applications
- 100mA and 300mA options
- Compact 3P (54mm) width space saving
- Neutral pigtail (900mm) saving cable and installation time
- Padlockable and sealable toggle restricts unauthorised action
- Free tripping mechanism even if toggle is locked or sealed ON or OFF
- Fast connection pin/fork busbar comb or NC or GB busbar chassis
- Suits metal loadcentres and the Concept range of panelboards
- RCM approval

#### SPECIFICATIONS

Product Series	DIN-T
Component Type Power Distribution & Protection	RCBO
Trip Curve	C
RCD Type, AS/NZS 61008/61009	A
Poles	3P + N
Number of Poles versus Modules	3
$I_n$ , Rated Current at 30°C	50 A @30°C
Voltage ( $U_e$ )	400/415 AC V
Rated Frequency	50 / 60 Hz
$I_{cn}$ , Rated Short Circuit Capacity	10 kA
$I_{\Delta m}$ , Rated Residual Making and Breaking Capacity	6 kA
$I_{\Delta c}$ , Rated Conditional Residual Short-Circuit Current	10 kA
$I_{\Delta n}$ , Rated Leakage Current	30 mA
Tripping Time at $I_{\Delta n}$ , Instantaneous	<300 ms
$U_{bmin}$ , Service Voltage, AC, Min	204 V AC
$U_{bmax}$ , Service Voltage, AC, Max	457 V AC
$U_{imp}$ , Impulse Withstand Voltage, 1.2/50 $\mu$ s	4 kV, 1.2/50 $\mu$ s
Neutral Pole Switched	No
Neutral Pole Protected	No
Centre Trip Position	No
Contact Position Indication	Green Flag - OFF, Red Flag - ON
Padlockable	Yes, Captive and Non-Captive (Ordered Separately)
Isolator Application, IEC 60947-2	Yes
Trip-Free Mechanism	Yes
Dielectric Test Voltage at ind. freq. for 1 min	2 kV

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Ui, Rated Insulation Voltage @ Pollution Degree 2	500 V
Electrical Service Life at Un, In	10000 cycles
Mechanical Service Life	20000 cycles
IP Rating, Inside	IP40
IP Rating, Outside	IP20
Operating Temperature, Max	40 °C max
Operating Temperature, Min	-5 °C min
Storage Temperature, Max	70 °C max
Storage Temperature, Min	-25 °C min
Relative Humidity, Max	96 %RH
Environmental IEC60068-2-30	28 Cycles with 55°C/90-96% and 25°C/95-100%
Conductor Entry Position	Bottom
Busbar System, Bottom	Fork Pin
Wire / Conductor Size, Flex Cable, Top, Max	16 mm <sup>2</sup> Top
Wire / Conductor Size, Flex Cable, Bottom, Max	16 mm <sup>2</sup> Bottom
Wire / Conductor Size, Flex Cable, In, Min	1 mm <sup>2</sup> In
Wire / Conductor Size, Flex Cable, Out, Min	1 mm <sup>2</sup> Out
Wire / Conductor Size, Rigid Cable, Top, Max	25 mm <sup>2</sup> Top
Wire / Conductor Size, Rigid Cable, Bottom, Max	25 mm <sup>2</sup> Bottom
Wire / Conductor Size, Rigid Cable, In, Min	1 mm <sup>2</sup> In
Wire / Conductor Size, Rigid Cable, Out, Min	1 mm <sup>2</sup> Out
Tightening Torque, Top, Nominal	2.5 Nm
Tightening Torque, Bottom, Nominal	2.5 Nm
Sealable	Yes
Mounting	DIN-35 Rail Mount
Height	117.5 mm
Width	53.4 mm
Depth	71.6 mm
Weight	0.549 kg
Package Quantity	1 qty
Approval(s)	RCM
Standards Compliance	AS/NZS 61009-1 IEC 61009-1 IEC 61009-2

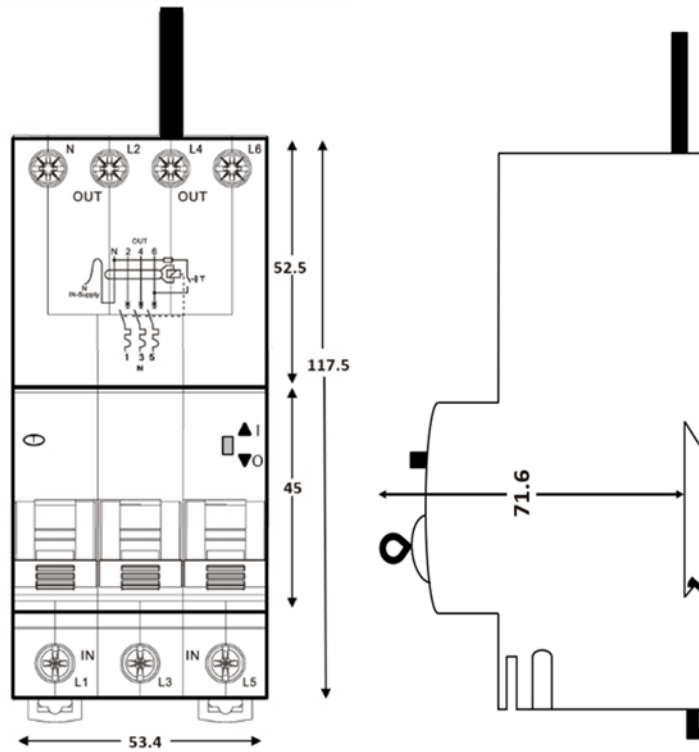
### REFERENCES

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

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Dimension Diagram