

Residual current operated circuit breaker, 4-pole, Type AC, In: 40 A, 30 mA, Un AC: 400 V, bulk packaging 18 units



Model	
Product brand name	SETRON
Product designation	RCCB
Design of the product	Instantaneous
Product variations	Bulk packaging 18 units
General technical data	
Number of poles	4
Size of installation devices / acc. to DIN 43880	1
Protection against electrical shock	Finger and back-of-hand safe
Short-circuit current rating	10 kA
circuit-breaker / Design	5SV4
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III
Supply voltage	
Supply voltage	
• at AC / rated value	400 V
• for testing equipment / minimum	195 V

Supply voltage frequency	
• rated value	50 Hz
Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Switching capacity	
Switching capacity current / according to IEC 61008-1 / rated value	0.8 kA
Dissipation	
Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	3.9 W
Electricity	
Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
• at 40 Cel	40 A
• at 45 Cel	38.1 A
• at 50 Cel	35.59 A
• at 55 Cel	32.29 A
• at 60 Cel	28.19 A
• at 65 Cel	23.3 A
• at 70 Cel	17.62 A
Type of fault current	AC
Current / at AC / rated value	40 A
I ² t-value / permissible	41 000 A ² ·s
Product details	
Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	28
Connections	
Connectable conductor cross-section / stranded	
• minimum	0.75 mm ²
• maximum	35 mm ²
Connectable conductor cross-section / solid	
• minimum	0.75 mm ²
• maximum	35 mm ²
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m

• maximum	3 N·m
Position / of power supply cord	top or bottom

Mechanical Design	
Height	90 mm
Width	72 mm
Depth	70 mm
Mounting position	any
Installation depth	70 mm
Number of width units	4
Mounting type	DIN rail (REG)
Net weight	350 g

Environmental conditions	
Ambient temperature	
• minimum	-25 °C
• maximum	45 °C
• during storage / minimum permissible	-40 °C
• during storage / maximum permissible	75 °C

Certificates	
Reference code	
• acc. to DIN EN 61346-2	F
• acc. to DIN EN 81346-2	F

General Product Approval	other	Railway	
Miscellaneous	Miscellaneous	Vibration and Shock	Confirmation

Further information	
Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/lowvoltage/catalogs	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SV4344-0GV01	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SV4344-0GV01	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SV4344-0GV01	
CAX-Online-Generator http://www.siemens.com/cax	
Tender specifications http://www.siemens.com/specifications	







