

RC unit for 5SY, 3-pole, type AC, In: 40 A, 30 mA, Un AC: 400 V



Figure similar

Model	
product brand name	SETRON
product designation	RCD-unit
design of the product	Instantaneous
product type designation	5SM2
product version	for 5SY
General technical data	
number of poles	3
design of pole	3 poles
size of installation devices according to DIN 43880	1
touch protection against electrical shock according to EN 50274	Finger and back-of-hand safe
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	460 V
surge voltage resistance rated value	4 000 V
tripping fault current rated value	30 mA
• operational current	
— at 40 °C rated value	37.2 A
— at 45 °C rated value	37.2 A
— at 50 °C rated value	36 A
— at 55 °C rated value	34.8 A
— at 60 °C rated value	34 A
— at 65 °C rated value	33.2 A
— at 70 °C rated value	32 A
• operational current at AC rated value	40 A
residual current type	AC
supply voltage	
• at AC	400 V
• for testing equipment minimum	340 V
value range of the supply voltage frequency	50 Hz
value range of the operating frequency	50 Hz
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors

protection function false tripping		Yes
Dissipation		
power loss [W] for rated value of the current at AC in hot operating state per pole		3.6 W
Product details		
product feature OFF-delay time adjustable		No
product feature rated fault current adjustable		No
product feature sealable		No
Connections		
connectable conductor cross-section solid - minimum - maximum		1.5 mm² 25 mm²
connectable conductor cross-section stranded - minimum - maximum		1.5 mm² 25 mm²
tightening torque with screw-type terminals - minimum - maximum		2.5 N·m 3 N·m
position of power supply cord		top or bottom
Mechanical Design		
height		90 mm
width		54 mm
depth		70 mm
installation depth		70 mm
number of modular width units		3
fastening method		DIN rail
mounting position		any
Net Weight		283 g
Environmental conditions		
ambient temperature during operation - minimum - maximum		-5 °C 45 °C
ambient temperature during storage - minimum - maximum		-40 °C 75 °C
number of test cycles for environmental testing according to IEC 60068-2-30		28
Certificates		
reference code according to IEC 81346-2		F
Approvals Certificates		
Environment		General Product Approval

[Environmental Conformations](#)

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[Miscellaneous](#)

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Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM2332-0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2332-0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2332-0

CAX-Online-Generator



