SIEMENS

Data sheet 5SM2333-6

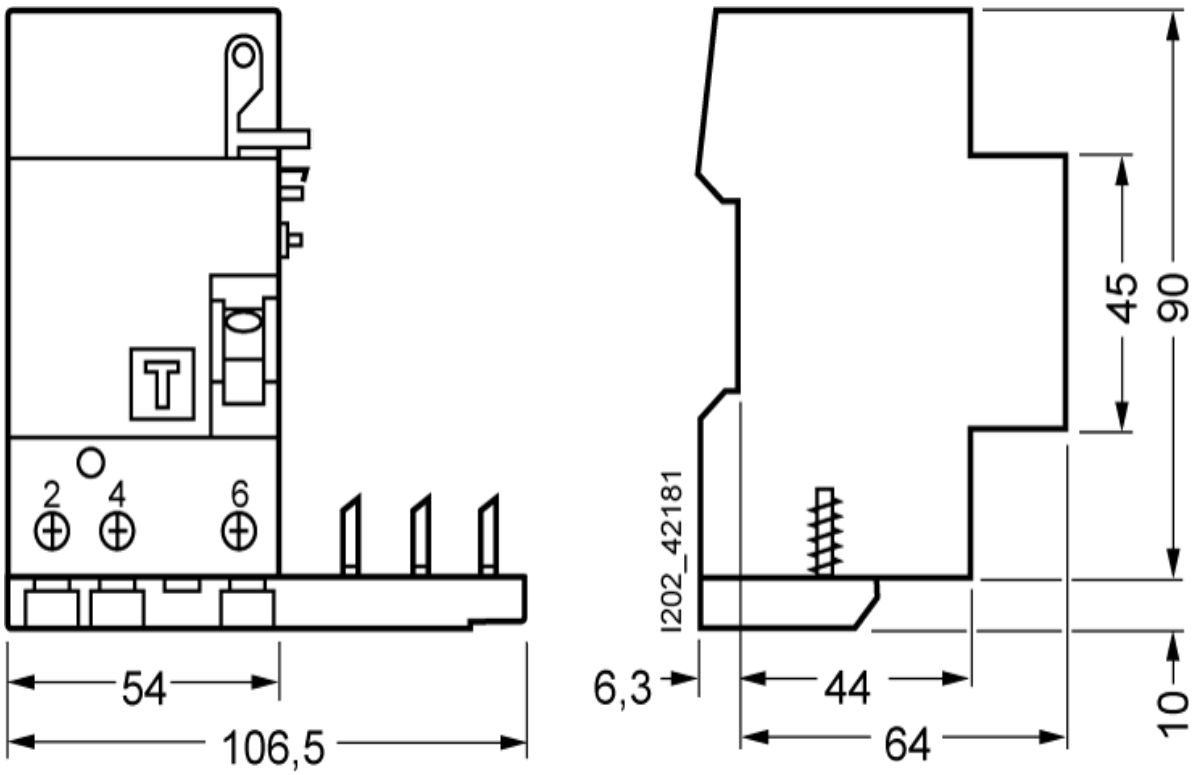
RC unit for 5SL4, 3-pole, type A, In: 40 A, 30 mA, Un AC: 400 V

Model	
product brand name	SENTRON
product designation	RCD-unit
design of the product	instantaneous
product type designation	5SM2
product variations	for 5SL4
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
supply voltage	
● at AC rated value	400 V
● for testing equipment minimum	195 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
● maximum	10.8 W
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

● at AC rated value	40 A
residual current type	A
surge current resistance rated value	1 kA
Product details	
product feature	
● OFF-delay time adjustable	No
● rated fault current adjustable	No
● sealable	No
Connections	
connectable conductor cross-section solid	
● minimum	1.5 mm²
● maximum	25 mm²
connectable conductor cross-section stranded	
● minimum	1.5 mm²
● maximum	25 mm²
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	105 mm
depth	70 mm
installation depth	70 mm
number of modular width units	3
fastening method	REG
mounting position	any
net weight	320 g
Environmental conditions	
ambient temperature during operation	
● minimum	-25 °C
● maximum	45 °C
ambient temperature during storage	
● minimum	-40 °C
● maximum	75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
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=5SM2333-6
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SM2333-6
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2333-6
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications



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