SIEMENS

Data sheet 5SM2327-6

RC unit for 5SP4, 2-pole, type A, In: 100 A, 30 mA, Un AC: 230 V



Model	
Product brand name	SENTRON
Product designation	RC unit
Design of the product	Instantaneous
Product variations	for 5SP4

General technical data	
Number of poles	2
Size of installation devices / acc. to DIN 43880	1
Protection against electrical shock	Finger and back-of-hand safe
circuit-breaker / Design	5SM2
Mechanical service life (switching cycles) / typical	10 000
Switching function / short-term delayed	No
Overvoltage category	III
Insulation voltage / rated value	460 V

Supply voltage	
Operating current / at AC / rated value	100 A
Supply voltage	
• at AC / rated value	230 V

Subject to change without notice
© Copyright Siemens

• for testing equipment / minimum	195 V
Operating frequency	50 Hz
Supply voltage frequency	
• rated value	50 Hz

Protection class

Protection class IP	IP20, if the distribution board is installed, with connected conductors

Dissipation

Power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	6 W

Current

Tripping residual current / rated value	30 mA
Tripping residual / rated value / derated current	
• at 40 Cel	93 A
• at 45 Cel	93 A
• at 50 Cel	90 A
• at 55 Cel	87 A
• at 60 Cel	85 A
• at 65 Cel	83 A
• at 70 Cel	80 A
Type of fault current	A
Surge current resistance / rated value	1 kA

Product details

Product feature / silicon-free	Yes
Product extension / can be installed / supplementary devices	Yes

Connections

Connectable conductor cross-section / solid	
• minimum	6 mm²
• maximum	50 mm²
Connectable conductor cross-section / stranded	
• minimum	6 mm²
• maximum	50 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	71 mm

Subject to change without notice
© Copyright Siemens

Depth	70 mm
Installation depth	70 mm
Number of width units	3.5
Mounting type	DIN rail (REG)
Mounting position	any
Net weight	516 g

Environmental conditions

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

Certificates

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

General Product Approval			Declaration of Conformity	Test Certific-ates	other
		Miscellaneous		Miscellaneous	Miscellaneous
CCC	VDE		EG-Konf.		

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=5SM2327-6

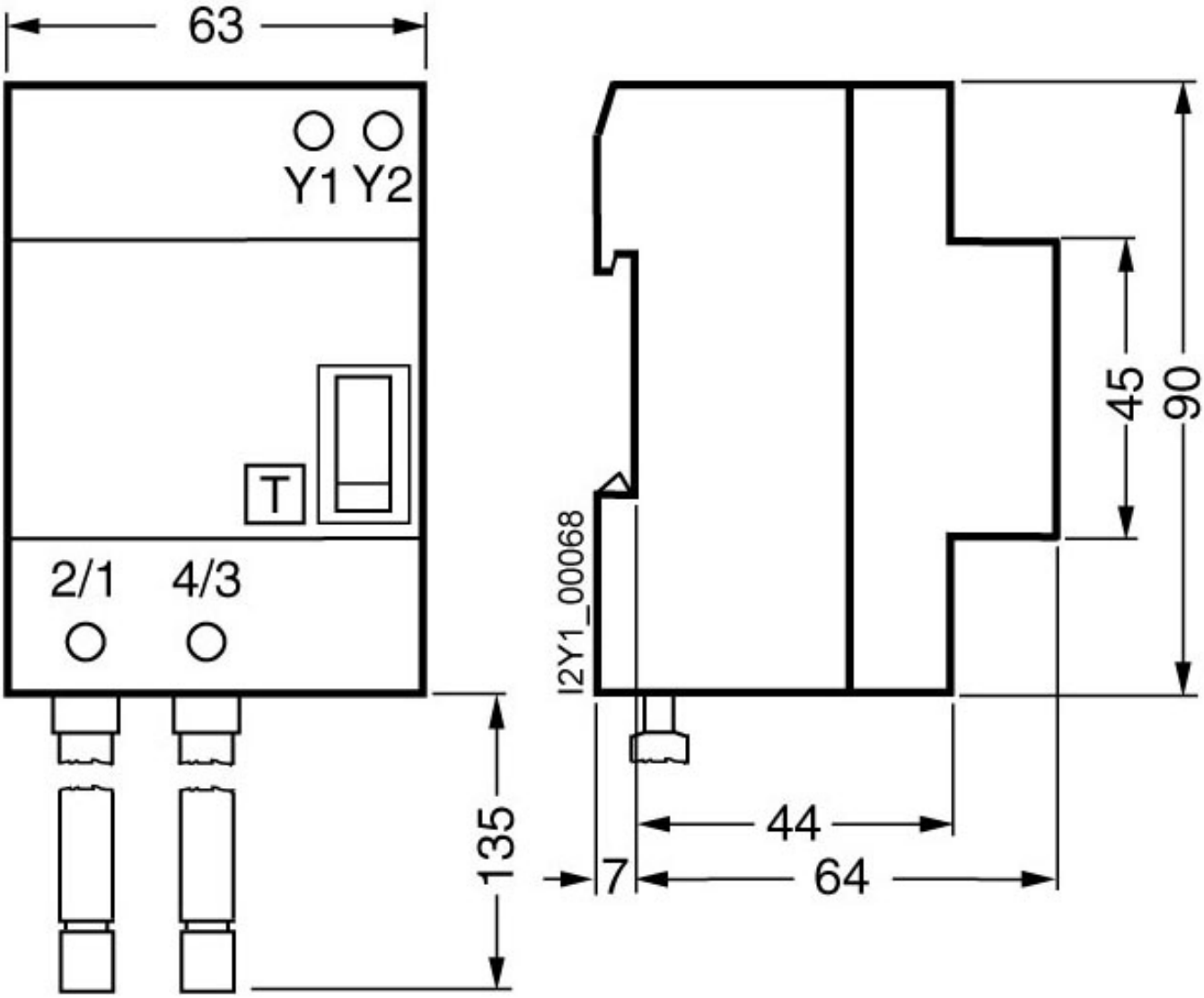
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SM2327-6

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2327-6

CAx-Online-Generator
http://www.siemens.com/cax

Tender specifications
http://www.siemens.com/specifications

Subject to change without notice
© Copyright Siemens



Subject to change without notice
© Copyright Siemens