

RCBO, 4.5 kA, 1P+N, Type AC, 300 mA, C-Char, In: 32 A, Un AC: 230 V



Figure similar

Model	
Product brand name	SENTRON
Product designation	RCBO
Design of the product	Instantaneous
General technical data	
Number of poles	2
Number of poles / Note	1P+N
Number of poles / with protection	1
Tripping characteristic class	C
circuit-breaker / Design	5SU1
Mechanical service life (switching cycles) / typical	10 000
Overvoltage category	III
Voltage	
Surge current resistance / at (8/20) μ s	1 kA
Supply voltage	
Supply voltage	

<ul style="list-style-type: none"> • for testing equipment / minimum 	100 V
Supply voltage frequency / rated value	50 Hz
Protection class	
Protection class IP	IP20, if the distribution board is installed, with connected conductors
Energy limiting class	3
Switching capacity	
Switching capacity current	
<ul style="list-style-type: none"> • acc. to EN 60898 / rated value 	4.5 kA
<ul style="list-style-type: none"> • acc. to IEC 60947-2 / rated value 	15 kA
Dissipation	
Power loss [W]	
<ul style="list-style-type: none"> • for rated value of the current / at AC / in hot operating state / per pole 	5.7 W
<ul style="list-style-type: none"> • maximum 	11.4 W
Electricity	
Tripping residual current / rated value	300 mA
rated current I_n / IEC, DIN/VDE / at 40 Cel	30.4 A
Type of fault current	AC
Current / at AC / rated value	32 A
Product details	
Product feature / Touch protection	Yes
Product feature	
<ul style="list-style-type: none"> • halogen-free 	Yes
<ul style="list-style-type: none"> • silicon-free 	Yes
Product function	
Product function / neutral conductor switching	Yes
Number	
Number of test cycles / for environmental testing / acc. to IEC 60068-2-30	26
Connections	
Connectable conductor cross-section / stranded	
<ul style="list-style-type: none"> • minimum 	0.75 mm ²
<ul style="list-style-type: none"> • maximum 	35 mm ²
Connectable conductor cross-section	
<ul style="list-style-type: none"> • solid 	
<ul style="list-style-type: none"> — minimum 	0.75 mm ²
<ul style="list-style-type: none"> — maximum 	35 mm ²
<ul style="list-style-type: none"> • finely stranded / with core end processing 	
<ul style="list-style-type: none"> — minimum 	0.75 mm ²

— maximum	25 mm ²
Tightening torque / with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
Position / of power supply cord	Either top or bottom

Mechanical Design

Height	90 mm
Width	36 mm
Depth	77 mm
Mounting position	any
Installation depth	70 mm
Number of width units	2
Net weight	258 g

Environmental conditions

Degree of pollution	2
Influence of the surrounding temperature	Max. 95% humidity
Ambient temperature	
	-25 ... +55
	-40 ... +75

Certificates

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

General Product Approval	Declaration of Conformity	Railway
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IMQ



ÖVE

[Miscellaneous](#)



RCM



EG-Konf.

[Vibration and Shock](#)

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=5SU1653-1KK32>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SU1653-1KK32>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SU1653-1KK32

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



