



SINOVA, Residual Current Circuit Breaker, 2P, Icn: 10kA, Type AC, In: 40A 30mA, Un AC:240V

Model	
product brand name	SINOVA
General technical data	
number of poles	2
size of installation devices according to DIN 43880	1
mechanical service life (operating cycles) typical	5 000
short-circuit current of series fuse maximum permissible	40 A
short-circuit current rating	10 kA
switching function short-term delayed	No
overvoltage category	III
insulation voltage (Ui) rated value	660 V
tripping fault current rated value	30 mA
operational current	
• at 40 °C rated value	40 A
• at 45 °C rated value	40 A
• at 50 °C rated value	40 A
• at AC rated value	40 A
residual current type	AC
let-through current permissible	3 kA
I2t value permissible	11 500 A²·s
Supply voltage	
supply voltage for testing equipment minimum	195 V
value range of the supply voltage frequency	50/60 Hz
value range of the operating frequency	50/60 Hz
value range of the supply voltage at AC	240/415 V
Protection class	
protection class IP	IP20, if the distribution board is installed, with connected conductors
Breaking Capacity	
switching capacity current according to IEC 61008-1 rated value	0.5 kA
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	5 W
• maximum	10 W
Product details	
product feature silicon-free	Yes
product extension installable supplementary devices	No
Connections	
connectable conductor cross-section solid	
• minimum	1 mm²

<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>
<b>connectable conductor cross-section stranded</b>	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	1 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	35 mm <sup>2</sup>
<b>tightening torque with screw-type terminals</b>	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	2 N·m
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	2 N·m
position of power supply cord	top or bottom

#### Mechanical Design

height	85 mm
width	36 mm
depth	76 mm
installation depth	70 mm
number of modular width units	2
fastening method	DIN rail (REG)
mounting position	any
net weight	216 g

#### Environmental conditions

<b>ambient temperature during operation</b>	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	55 °C
<b>ambient temperature during storage</b>	
<ul style="list-style-type: none"> <li>• minimum permissible</li> </ul>	-25 °C
<ul style="list-style-type: none"> <li>• maximum permissible</li> </ul>	60 °C
<b>number of test cycles for environmental testing according to IEC 60068-2-30</b>	28

#### Certificates

reference code according to IEC 81346-2	F
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#### Further information

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=5TJ8314-0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5TJ8314-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5TJ8314-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5TJ8314-0)

CAX-Online-Generator

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

Tender specifications

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





