



power controller autoFREQ current range 50 A / 40 °C 400 ... 600 V 24 V AC/DC
for semiconductor relay / contactor

product type designation

3RF29

General technical data

power loss [W] for rated value of the current	
• without load current share typical	1 W
degree of pollution	3
surge voltage resistance of main circuit rated value	2.5 kV
protection class IP on the front according to IEC 60529	IP20
reference code according to IEC 81346-2	K
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1
Weight	0.171 kg

Control circuit/ Control

control supply voltage at AC	
• at 50 Hz rated value	20.5 ... 26.5 V
• at 60 Hz rated value	20.5 ... 26.5 V
control supply voltage 1 at AC	
• at 50 Hz rated value	24 V
• at 60 Hz rated value	24 V
control supply voltage at DC rated value	18 ... 30 V
control supply voltage 1 at DC rated value	24 V
control supply voltage 1 at DC final rated value	24 V
control supply voltage at AC	
• at 50 Hz full-scale value for signal<0> recognition	5 V
• at 60 Hz full-scale value for signal<0> recognition	5 V
control supply voltage at DC full-scale value for signal<0> recognition	5 V
control current at DC rated value	40 mA

Electrical Safety

protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front

Electromagnetic compatibility

conducted interference	
• due to burst according to IEC 61000-4-4	2 kV / 5 kHz behavior criterion 2
• due to conductor-earth surge according to IEC 61000-4-5	2 kV behavior criterion 2
• due to conductor-conductor surge according to IEC 61000-4-5	1 kV behavior criterion 2
• due to high-frequency radiation according to IEC 61000-4-6	140 dBuV in the frequency range 0.15 ... 80 MHz, behavior criterion 1
electrostatic discharge according to IEC 61000-4-2	4 kV contact discharging / 8 kV air discharging, behavior criterion 2
conducted HF interference emissions according to	Class A for industrial environment

CISPR11			
field-bound HF interference emission according to CISPR11	Class B for the domestic, business and commercial environments		
Approvals Certificates			
General Product Approval		EMV	Test Certificates



[Type Test Certificates/Test Report](#)

other	Environment
Confirmation	Environmental Confirmations

Further information

Information on the packaging

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

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

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RF2950-0KA16-0KH0>

Cax online generator

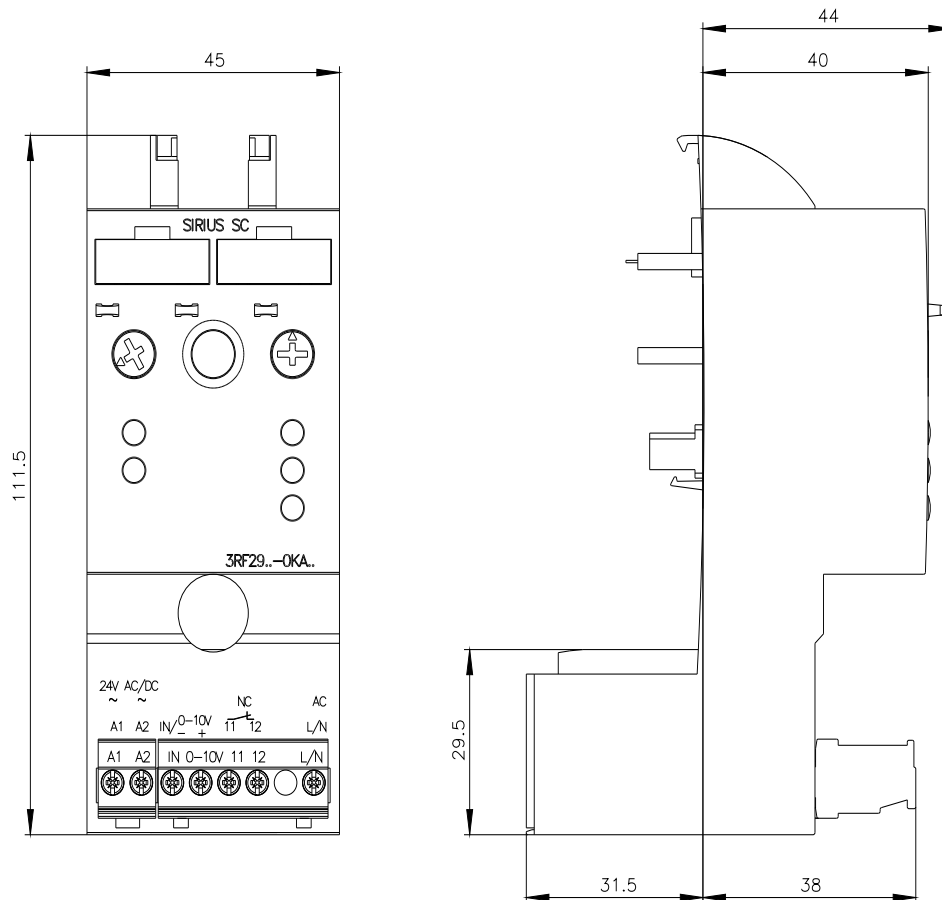
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2950-0KA16-0KH0>

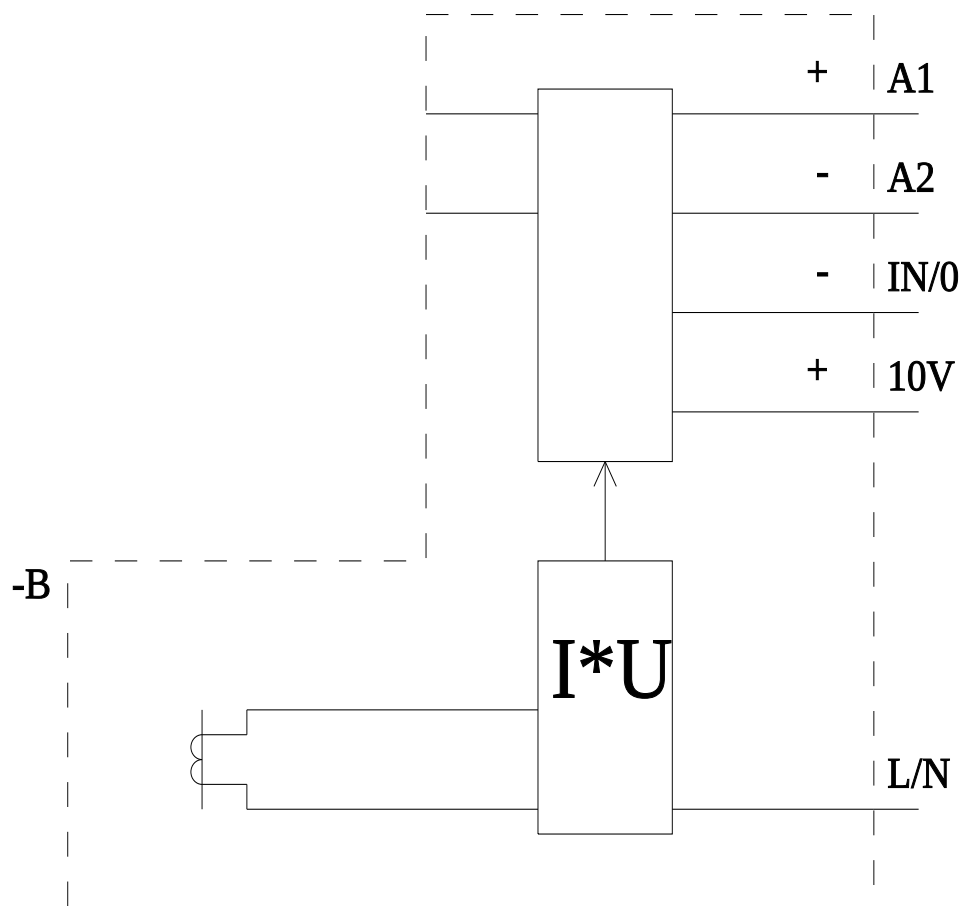
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RF2950-0KA16-0KH0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF2950-0KA16-0KH0&lang=en





last modified:

2/22/2025 [↗](#)