

Data sheet

3RF2171-1AA45-1KP0-Z X95

Semiconductor relay, 1-phase 3RF2 Overall width 22.5 mm, 70 A 48-600 V / 4-30 V DC screw terminal Blocking voltage 1200 V Special inscription Reusable packaging Customer-specific special version

product brand name	SIRIUS
product designation	solid-state relay
design of the product	1-pole
product type designation	3RF21
General technical data	
surge voltage resistance of main circuit rated value	6 kV
protection class IP on the front according to IEC 60529	IP20
reference code according to IEC 81346-2	Q
Substance Prohibitance (day/month/year)	05/28/2009
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8
Net Weight	0.056 kg
Main circuit	
type of voltage of the operating voltage	AC
operational current	
• according to UL 508 rated value	50 A
ampacity maximum	70 A
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
stripped length of the cable	
• for main contacts	10 mm
• for auxiliary and control contacts	7 mm
UL/CSA ratings	
operational current according to UL 508 rated value	50 A
Electrical Safety	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Short-circuit protection, design of the fuse link	
manufacturer's article number	
• of full range R fuse link for semiconductor protection at NH design usable	3NE1020-2
• of back-up R fuse link for semiconductor protection at NH design usable	3NE8020-1
• of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable	3NC2280
manufacturer's article number of the gG fuse	
• at NH design usable	3NA6812 ; These fuses have a smaller rated current than the semiconductor relays
• at NH design usable note	These fuses have a smaller rated current than the semiconductor relays
• at cylindrical design 22 x 58 mm usable	3NW6212-1 ; These fuses have a smaller rated current than the semiconductor relays
• at cylindrical design 22 x 58 mm usable note	These fuses have a smaller rated current than the semiconductor relays
manufacturer's article number	
• of NEOZED fuse usable	5SE2335 ; These fuses have a smaller rated current than the semiconductor relays
Further information	
Information on the packaging	
https://support.industry.siemens.com/cs/ww/en/view/109813875	
Information for data generation and storage	
https://support.industry.siemens.com/cs/ww/en/view/109995012	
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=3RF2171-1AA45-1KP0-Z X95>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2171-1AA45-1KP0-Z X95>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RF2171-1AA45-1KP0-Z X95>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF2171-1AA45-1KP0-Z X95&lang=en

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