SIEMENS

Data sheet 3RF3416-1BB24



Solid-state contactor 3-phase 3RF3 AC 53 / 16 A / 40 $^{\circ}\text{C}$ 48-480 V / 110-230 V AC 2-phase controlled Instantaneous switching screw terminal

product brand name	SIRIUS
product designation	solid-state contactor
design of the product	two-phase controlled
product type designation	3RF34
manufacturer's article number	
_1 of the accessories that can be ordered	3RA2921-1BA00
_2 of the accessories that can be ordered	3RF3900-0QA88
product designation	
_1 of the accessories that can be ordered	Link module
_2 of the accessories that can be ordered	Connection adapter
General technical data	
product function	instantaneous switching
power loss [W] for rated value of the current at AC in hot operating state	28 W
• per pole	9.33 W
power loss [W] for rated value of the current without load current share typical	3.5 W
insulation voltage rated value	600 V
type of voltage of the control supply voltage	AC
surge voltage resistance of main circuit rated value	6 kV
shock resistance acc. to IEC 60068-2-27	15g / 11 ms
vibration resistance acc. to IEC 60068-2-6	2g
certificate of suitability	CE / UL / CSA / CCC / C-Tick (RCM)
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	28.05.2009 00:00:00
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	2
number of NC contacts for main contacts	0
operating voltage at AC	
 at 50 Hz rated value 	48 480 V
at 60 Hz rated value	48 480 V
operating frequency rated value	50 60 Hz
relative symmetrical tolerance of the operating frequency	10 %
operating range relative to the operating voltage at AC	
● at 50 Hz	40 506 V
● at 60 Hz	40 506 V
operational current	
 at AC-3 at 400 V rated value 	16 A

operating power • at AC-3 at 40 V rated value • at 50 et 2 • at 50 et 2 • at 60 et 2 • a	 at AC-53a at 400 V at ambient temperature 40 °C rated value 	16 A
operating power al AC 3 d 400 V rated value rate of voltage rise at the thyristor for main contacts maximum permissible blocking voltage at the thyristor for main contacts maximum permissible reverse current of the thyristor derating temperature surge current resistance rated value 1 180 A 12 value maximum 6 6800 A*s 6 8000 A*s 6		500 mA
at ACS at 400 V rated value rate of voltage rise at the thyristor for main contacts maximum permissible blocking voltage at the thyristor for main contacts maximum permissible reverse current of the thyristor derating temperature 40 °C surge current of the thyristor derating temperature 40 °C surge current of the thyristor derating temperature 40 °C surge current resistance rated value 1150 A 12t value maximum 6 500 A°-s Control supply voltage of the control supply voltage control supply voltage of at AC 110 230 V 110		JUU IIIA
rate of voltage rise at the thyristor for main contacts maximum permissible blocking voltage at the thyristor for main contacts maximum permissible reverse current of the thyristor for main contacts and the control supply voltage at the thyristor for main contacts and the control supply voltage at the thyristor for main contacts and the control supply voltage at the control supply voltage frequency at the control supply voltage at AC at 50 Hz at 5		7.5 L/M
maximum permissible blocking voltage at the thyristor for main contacts maximum permissible prevense current of the thyristor the surge current of the thyristor derating temperature 40°C surge current of the thyristor 110 mA 600 AF-s Control circuit/ Control Supply voltage 1110 AF 600 AF-s CONTROL Supply voltage 1111 AF 600		
maximum permissible roverse current of the thyritotr darating temperature 40°C surge current resistance rated value 1150 A 12t value maximum 6600 A*s Control supply voltage of the control supply voltage • at 50 Hz • at 60 Hz • 110 230 V • 1 rated value • 2 rated value • 2 rated value • 2 rated value • 2 rated value • 3 to 5 Hz full-scale value for signal-0> recognition • at 50 Hz full-scale value for signal-0> recognition • at 50 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value for signal-1> recognition • at 60 Hz full-scale value • at AC at 50 Hz • initial value • full-scale value • poperating range factor control supply voltage rated value at AC at 60 Hz • initial value • initial value • initial value • at AC • at 60 Hz • initial value • at AC • at 60 Hz • initial value • at AC • at 60 Hz • initial value • at AC • at Control current at AC rated value ON-4-cleay time OF-6-delay time OF	maximum permissible	
derating temperature 40 °C		1 200 V
surge current resistance rated value 1150 A 6 6000 A*-s Control current at minimum control supply voltage 1 at AC 110 230 V	reverse current of the thyristor	
Izt value maximum 6 600 A*s	derating temperature	40 °C
type of voltage of the control supply voltage control supply voltage 1 at AC	surge current resistance rated value	1 150 A
type of voltage of the control supply voltage control supply voltage 1 at AC	I2t value maximum	6 600 A ² ·s
control supply voltage 1 at AC • at 50 Hz • at 80 Hz control supply voltage frequency • 1 radd value • 2 rated value • 2 rated value • 2 rated value • 10 Hz 60 Hz 60 Hz 60 Hz 70 Hz 60 H	Control circuit/ Control	
a at 50 Hz at 60 Hz 110 230 V control supply voltage frequency 1 rated value 2 rated value 60 Hz control supply voltage at AC at 50 Hz full-scale value for signal<0> recognition at 60 Hz full-scale value for signal<1> recognition control supply voltage at AC initial value for signal<1> detection symmetrical line frequency tolerance operating range factor control supply voltage rated value at AC at 50 Hz initial value • full-scale value operating range factor control supply voltage rated value at AC at 50 Hz initial value • full-scale value control current at minimum control supply voltage • at AC control current at AC rated value 0.82 • full-scale value 1.1 control current at AC rated value 0.82 • tall-scale value 1.5 mA ON-delay time OF-delay time OF-delay time Auxillary circuit number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts 0 number of NC contacts for auxillary contacts number of NC contacts for auxillary contacts screw and snap-on mounting onto 35 mm standard mounting rail yes height side-by-side mounting upwards • downwards connections/ Terminals product component removable terminal for auxillary and control circuit type of electrical connection	type of voltage of the control supply voltage	AC
e at 60 Hz control supply voltage frequency 1 rated value 2 rated value 2 rated value 60 Hz relative symmetrical tolerance of the control supply voltage frequency control supply voltage at AC at 60 Hz full-scale value for signal-<0> recognition control supply voltage at AC initial value for signal-<0> recognition symmetrical line frequency tolerance operating range factor control supply voltage rated value at AC at 50 Hz initial value initial value initial value control current at minimum control supply voltage rated value at AC at 60 Hz initial value at AC toll-scale value control current at minimum control supply voltage at AC control current at minimum control supply voltage at AC control current at AC rated value 0.82 2 mA control current at AC rated value 0.8-2 3 mS ON-delay time 5 ms OF-delay time 3 ms; additionally max. one half-wave Auxillary crott number of NC contacts for auxillary contacts number of NC c	control supply voltage 1 at AC	
control supply voltage frequency 1 rated value 2 rated value 60 Hz relative symmetrical tolerance of the control supply voltage requency control supply voltage at AC 1 st 50 Hz full-scale value for signal-0> recognition 1 st 60 Hz full-scale value for signal-0> recognition 2 symmetrical line frequency tolerance 2 paperating range factor control supply voltage 3 at AC initial value for signal-1> detection 90 V symmetrical line frequency tolerance 2 sperating range factor control supply voltage rated value at AC at 50 Hz 1 initial value 2 initial value 3 initial value 4 initial value 5 full-scale value 1 1.1 operating range factor control supply voltage rated value at AC at 60 Hz 4 initial value 5 full-scale value 1 influence 5 full-scale value 1 influence 6 at AC 6 control current at AC rated value 6 full-scale value 7 smA 7 control current at AC rated value 7 smA 7 control current at AC rated value 7 smA 7 control current at AC rated value 7 smA 7 control current at AC rated value 7 smA 7 smA 7 control current at AC rated value 7 smA 7 small supply voltage 7 small	● at 50 Hz	110 230 V
• 1 rated value • 2 rated value relative symmetrical tolerance of the control supply voltage frequency control supply voltage at AC • at 50 Hz full-scale value for signal<0> recognition • at 60 Hz full-scale value for signal<0> recognition • at 60 Hz full-scale value for signal<0> recognition • at 60 Hz full-scale value for signal<0> recognition • at AC initial value for signal<1> detection symmetrical line frequency tolerance operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value •	• at 60 Hz	110 230 V
relative symmetrical tolerance of the control supply voltage frequency control supply voltage at AC at 50 Hz full-scale value for signal<0> recognition at 60 Hz full-scale value for signal<0> recognition at 60 Hz full-scale value for signal<0> recognition but full-scale value for signal<0> recognition at 60 Hz full-scale value for signal<0> recognition but full-scale value for signal<0> recognition control supply voltage at at C initial value for signal<1> detection symmetrical line frequency tolerance operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value 0.82 full-scale value 0.82 full-scale value 0.82 full-scale value 1.1 control current at minimum control supply voltage at AC control current at AC rated value 15 mA ON-delay time 5 ms OFF-delay time 30 ms; additionally max, one half-wave Auxiliary circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 0 Installation mounting dimensions mounting position vertical screw and snap-on mounting onto 35 mm standard mounting rail yes side-by-side mounting fired spacing with side-by-side mounting op mm depth required spacing with side-by-side mounting op mm downwards Connections/Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	control supply voltage frequency	
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control supply voltage at AC at 60 Hz full-scale value for signal<0> recognition at 60 Hz full-scale value for signal<0> recognition at 60 Hz full-scale value for signal<0> recognition control supply voltage at AC initial value for signal<1> detection symmetrical line frequency tolerance operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value full-scale value full-scale value full-scale value at AC at 60 Hz initial value full-scale	• 2 rated value	60 Hz
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ota 80 Hz full-scale value for signal<0> recognition control supply voltage	control supply voltage at AC	
control supply voltage • at AC initial value for signal <1> detection symmetrical line frequency tolerance operating range factor control supply voltage rated value at AC at 50 Hz • initial value • full-scale value • full-scale value • full-scale value • till-scale value • til	 at 50 Hz full-scale value for signal<0> recognition 	40 V
at AC initial value for signal <1> detection symmetrical line frequency tolerance operating range factor control supply voltage rated value at AC at 50 Hz initial value ofull-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value operating range factor control supply voltage rated value at AC at 60 Hz initial value olitial scale value onitial value olitial-scale value ontrol current at minimum control supply voltage at AC 2 mA control current at AC rated value 15 mA ON-delay time 5 ms OF-delay time 5 ms OF-delay time 30 ms; additionally max. one half-wave Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of SO cont	at 60 Hz full-scale value for signal<0> recognition	40 V
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value at AC at 50 Hz initial value full-scale value full-scale value operating range factor control supply voltage rated value at AC at 60 Hz initial value of ull-scale value full-scale value other scale value oth	symmetrical line frequency tolerance	5 Hz
• full-scale value operating range factor control supply voltage rated value at AC at 60 Hz • initial value • full-scale value • tull-scale value • tull-scale value • tull-scale value • ta AC control current at minimum control supply voltage • at AC control current at AC rated value		
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Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of NO contacts for auxiliary contacts num		
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of CO contacts for auxiliary contacts number of NO contacts for auxiliary and contacts number of NO contacts for auxiliary and contacts number of NO contacts for auxiliary and contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of NO contacts for auxiliary and contacts for auxiliary and contacts		30 ms; additionally max. one half-wave
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Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing with side-by-side mounting • upwards • downwards Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection		
mounting position vertical fastening method screw and snap-on mounting onto 35 mm standard mounting rail • side-by-side mounting Yes height 95 mm width 90 mm depth 100.8 mm required spacing with side-by-side mounting 0 mm • downwards 70 mm • downwards 50 mm Connections/ Terminals Yes product component removable terminal for auxiliary and control circuit Yes type of electrical connection Yes	-	0
fastening method screw and snap-on mounting onto 35 mm standard mounting rail Yes height 95 mm width 90 mm depth 100.8 mm required spacing with side-by-side mounting 70 mm ● upwards 50 mm Connections/ Terminals Yes product component removable terminal for auxiliary and control circuit Yes type of electrical connection Yes		
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height 95 mm width 90 mm depth 100.8 mm required spacing with side-by-side mounting upwards downwards 70 mm downwards 50 mm Connections/ Terminals product component removable terminal for auxiliary and control circuit Yes type of electrical connection	_	screw and snap-on mounting onto 35 mm standard mounting rail
width depth required spacing with side-by-side mounting • upwards • downwards Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	side-by-side mounting	
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● downwards 50 mm Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection		
Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	·	
product component removable terminal for auxiliary and control circuit type of electrical connection		50 mm
type of electrical connection	Connections/ Terminals	
	control circuit	Yes
		screw-type terminals

 for auxiliary and control circuit 	screw-type terminals
type of connectable conductor cross-sections	over type terminal
• for main contacts	
— solid	2x (0.5 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²)
at AWG cables for main contacts	2x (18 14)
connectable conductor cross-section for main	28 (10 14)
contacts	
solid or stranded	1.5 6 mm²
 finely stranded with core end processing 	1 10 mm²
type of connectable conductor cross-sections	
for auxiliary and control contacts	
— solid	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
 finely stranded with core end processing 	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
finely stranded without core end processing	1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
at AWG cables for auxiliary and control contacts	1x (AWG 20 12)
AWG number as coded connectable conductor cross	14 10
section for main contacts	
tightening torque	
 for main contacts with screw-type terminals 	2 2.5 N·m
 for auxiliary and control contacts with screw-type 	0.5 0.6 N·m
terminals	
tightening torque [lbf·in]	
 for main contacts with screw-type terminals 	18 22 lbf·in
 for auxiliary and control contacts with screw-type 	7.5 5.3 lbf-in
terminals	
design of the thread of the connection screw	N/4
• for main contacts	M4
of the auxiliary and control contacts	M3
stripped length of the cable	
 for main contacts 	7 mm
	_
for auxiliary and control contacts	7 mm
UL/CSA ratings	7 mm
UL/CSA ratings full-load current (FLA) for 3-phase AC motor	
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	7 mm 7.6 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor ● at 480 V rated value yielded mechanical performance [hp] for 3-phase AC	
UL/CSA ratings full-load current (FLA) for 3-phase AC motor ● at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor	7.6 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor ● at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor ● at 200/208 V rated value	7.6 A 2 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value	7.6 A 2 hp 2 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value	7.6 A 2 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor ● at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor ● at 200/208 V rated value ● at 220/230 V rated value ● at 460/480 V rated value Safety related data	7.6 A 2 hp 2 hp 5 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value	7.6 A 2 hp 2 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value Safety related data proportion of dangerous failures with high demand rate acc. to SN 31920	7.6 A 2 hp 2 hp 5 hp
UL/CSA ratings full-load current (FLA) for 3-phase AC motor ● at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor ● at 200/208 V rated value ● at 220/230 V rated value ● at 460/480 V rated value Safety related data proportion of dangerous failures with high demand rate	7.6 A 2 hp 2 hp 5 hp 50 % 76 y
full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value Safety related data proportion of dangerous failures with high demand rate acc. to SN 31920 MTTF with high demand rate	7.6 A 2 hp 2 hp 5 hp
full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value Safety related data proportion of dangerous failures with high demand rate acc. to SN 31920 MTTF with high demand rate T1 value for proof test interval or service life acc. to	7.6 A 2 hp 2 hp 5 hp 50 % 76 y
full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value Safety related data proportion of dangerous failures with high demand rate acc. to SN 31920 MTTF with high demand rate T1 value for proof test interval or service life acc. to IEC 61508	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20
full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value Safety related data proportion of dangerous failures with high demand rate acc. to SN 31920 MTTF with high demand rate T1 value for proof test interval or service life acc. to IEC 61508 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 Ambient conditions	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front 1 000 m -25 +60 °C
full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value Safety related data proportion of dangerous failures with high demand rate acc. to SN 31920 MTTF with high demand rate T1 value for proof test interval or service life acc. to IEC 61508 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front 1 000 m -25 +60 °C
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front 1 000 m -25 +60 °C
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front 1 000 m -25 +60 °C -55 +80 °C
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front 1 000 m -25 +60 °C -55 +80 °C
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front 1 000 m -25 +60 °C -55 +80 °C 2 kV / 5 kHz behavior criterion 2 2 kV behavior criterion 2
full-load current (FLA) for 3-phase AC motor • at 480 V rated value yielded mechanical performance [hp] for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 460/480 V rated value Safety related data proportion of dangerous failures with high demand rate acc. to SN 31920 MTTF with high demand rate T1 value for proof test interval or service life acc. to IEC 61508 protection class IP on the front acc. to IEC 60529 touch protection on the front acc. to IEC 60529 Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage Electromagnetic compatibility conducted interference • due to burst acc. to IEC 61000-4-4 • due to conductor-earth surge acc. to IEC 61000-4-5 • due to conductor-conductor surge acc. to IEC 61000-4-5 • due to high-frequency radiation acc. to IEC 61000-	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front 1 000 m -25 +60 °C -55 +80 °C 2 kV / 5 kHz behavior criterion 2 2 kV behavior criterion 2
full-load current (FLA) for 3-phase AC motor	7.6 A 2 hp 2 hp 5 hp 50 % 76 y 20 y IP20 finger-safe, for vertical contact from the front 1 000 m -25 +60 °C -55 +80 °C 2 kV / 5 kHz behavior criterion 2 2 kV behavior criterion 2 1 kV behavior criterion 2

conducted HF interference emissions acc. to CISPR11	Class A for industrial environment
field-bound HF interference emission acc. to CISPR11	Class A for industrial environment
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 	<u>3NE1818-0</u>
 of full range R fuse link for semiconductor protection at cylindrical design usable 	<u>5SE1363</u>
 of back-up R fuse link for semiconductor protection at NH design usable 	<u>3NE8022-1</u>
 of back-up R fuse link for semiconductor protection at cylindrical design 10 x 38 mm usable 	<u>3NC1032</u>
 of back-up R fuse link for semiconductor protection at cylindrical design 14 x 51 mm usable 	<u>3NC1450</u>
 of back-up R fuse link for semiconductor protection at cylindrical design 22 x 58 mm usable 	<u>3NC2280</u>
manufacturer's article number of the gG fuse	
 at NH design usable 	3NA3812-6
 at cylindrical design 10 x 38 mm usable 	<u>3NW6010-1</u>
 at cylindrical design 14 x 51 mm usable 	<u>3NW6116-1</u>
• at cylindrical design 22 x 58 mm usable	3NW6210-1
manufacturer's article number	
 of DIAZED fuse usable 	<u>5SB322</u>
Cortificatos/ approvals	

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity













Test Certificates

other

Type Test Certificates/Test Report

Confirmation

Further information

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=3RF3416-1BB24

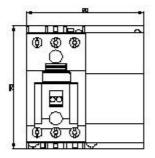
Cax online generator

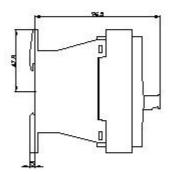
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF3416-1BB24

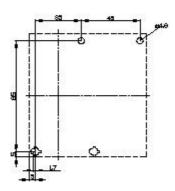
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

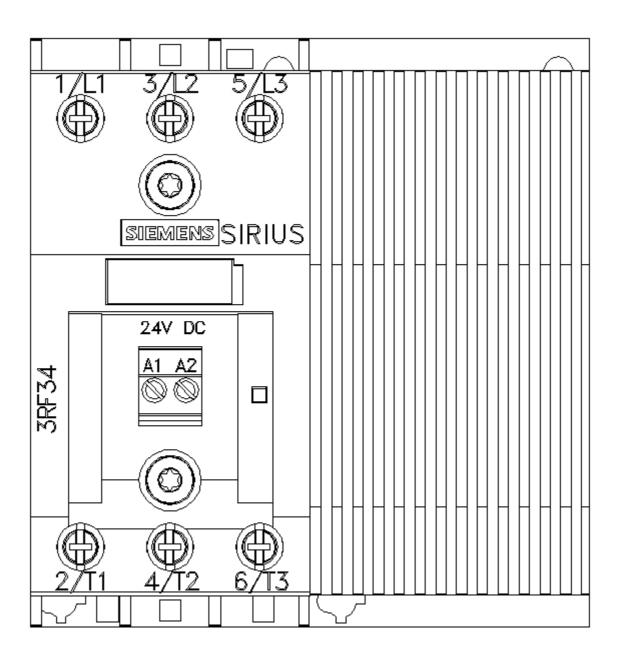
https://support.industry.siemens.com/cs/ww/en/ps/3RF3416-1BB24

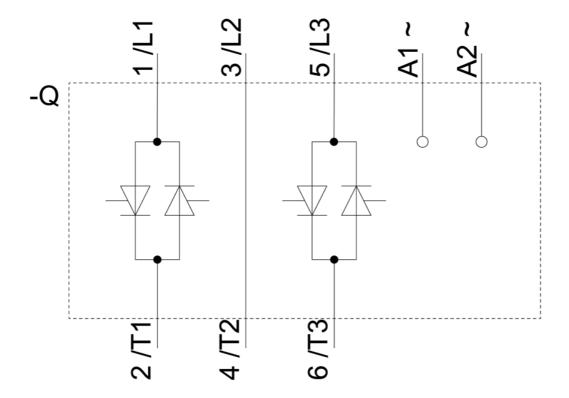
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF3416-1BB24&lang=en











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