SIEMENS

Data sheet 3RF2340-3AA04



Solid-state contactor 1-phase 3RF2 AC 51 / 40 A / 40 $^{\circ}\text{C}$ 48-460 V / 24 V DC Ring cable connection

product type designation design of the product product type designation manufacturer's article number • _1 of the accessories that can be ordered _3 of the accessories that can be ordered _4 of the accessories that can be ordered _3 of the accessories that can be ordered _4 of the accessories that can be ordered _5 of the accessories that can be ordered _4 of the accessories that can be ordered _5 of the accessories that can be ordered _6 of the accessories that can be ordered _7 of the accessories that can be ordered _7 of the accessories that can be ordered _8 of the accessories that can be ordered _7 of the accessories that can be ordered _7 of the accessories that can be ordered _8 of the operating state _8 of the operating voltage _9 of the operating voltage _9 of the operating voltage _9 of the operating voltage _1 of the accessories that can be ordered _1 of the accessories that can be	product brand name	SIRIUS
product type designation manufacturer's article number	product designation	solid-state contactor
manufacturer's article number _ 1 of the accessories that can be ordered	design of the product	single-phase
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3 of the accessories that can be ordered 28F2950-0CA16 4 of the accessories that can be ordered 28F2950-0CA16 product designation 1 of the accessories that can be ordered 3 of the accessories that can be ordered 4 of the cortesting data 5 of the cortesting data 5 of the cortesting data be repoid 4 the without load current share typical 5 of the operating state per pole 4 the without load current share typical 5 of the operating voltage 6 of the operating voltage 6 of the operating voltage 6 of the control supply voltage 7 of the control supply voltage	manufacturer's article number	
• _4 of the accessories that can be ordered product designation • _1 of the accessories that can be ordered • _3 of the accessories that can be ordered • _4 of the accessories that can be ordered • _4 of the accessories that can be ordered • _4 of the accessories that can be ordered • _4 of the accessories that can be ordered	_1 of the accessories that can be ordered	3RF2900-3PA88
product designation • _1 of the accessories that can be ordered • _3 of the accessories that can be ordered • _4 of the accessories that can be ordered • _4 of the accessories that can be ordered • _4 of the accessories that can be ordered • _4 of the accessories that can be ordered converter • _4 of the accessories that can be ordered	_3 of the accessories that can be ordered	3RF2900-0EA18
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On the accessories that can be ordered One and monitoring Ceneral technical data product function at AC in hot operating state ot AC in hot operating state per pole othibout load current share typical other of the control supply voltage surge voltage resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 zereference code according to IEC 60068-2-6 zereference code according to IEC 81346-2 vereference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Main circuit number of NC contacts for main contacts type of NC contacts for main contacts type of voltage control supply voltage control supply	product designation	
ola of the accessories that can be ordered Ceneral technical data product function power loss [W] for rated value of the current ola the Cin hot operating state ola the Cin hot operating state ola the Cin hot operating state per pole ola the Cin hot operating stat	_1 of the accessories that can be ordered	terminal cover
product function zero-point switching power loss [W] for rated value of the current • at AC in hot operating state 44 W • without load current share typical 0,4 W insulation voltage rated value 600 V degree of pollution 3 type of voltage • of the operating voltage AC • of the control supply voltage DC surge voltage resistance of main circuit rated value 6 kV shock resistance according to IEC 60068-2-27 15g / 11 ms vibration resistance according to IEC 60068-2-27 2g reference code according to IEC 60068-2-27 3g reference code according to IEC 60068-2-20 Q reference code according to IEC 61346-2 Q Substance Prohibitance (Date) 750 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutybis (pentane-2,4-dionato-0,0')tin - 22673-19-4 Main circuit number of NC contacts for main current circuit 1 number of NC contacts for main contacts 1 number of NC contacts for main contacts 1 type of voltage of the operating voltage of the operatin	_3 of the accessories that can be ordered	converter
product function power loss [W] for rated value of the current • at AC in hot operating state	_4 of the accessories that can be ordered	load monitoring
power loss [W] for rated value of the current • at AC in hot operating state 44 W • at AC in hot operating state per pole 44 W • without load current share typical 0.4 W insulation voltage rated value 600 V degree of pollution 3 type of voltage • of the operating voltage AC • of the control supply voltage DC surge voltage resistance of main circuit rated value 6kV shock resistance according to IEC 60068-2-27 15g / 11 ms vibration resistance according to IEC 60068-2-6 2g reference code according to IEC 60068-2-8 2g reference code according to IEC 61346-2 Q reference code according to IEC 61346-2 Q Substance Prohibitance (Date) 07/01/2006 SYHC substance name Lead - 7439-92-1 Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,0')tin - 22673-19-4 Main circuit number of Poles for main current circuit 1 number of NO contacts for main contacts 1 number of NC contacts for main contacts 0 type of voltage of the operating voltage AC operating voltage	General technical data	
at AC in hot operating state 44 W at AC in hot operating state per pole 44 W without load current share typical 0.4 W insulation voltage rated value 600 V degree of pollution 3 type of voltage of the operating voltage AC of the control supply voltage DC surge voltage resistance of main circuit rated value 6 kV shock resistance according to IEC 60068-2-27 15g / 11 ms vibration resistance according to IEC 60068-2-6 2g reference code according to IEC 60068-2-6 2g reference code according to IEC 81346-2 Q reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 07/01/2006 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-0,0')tin - 22673-19-4 Main circuit number of NO contacts for main contacts 1 number of NC contacts for main contacts 0 type of voltage of the operating voltage AC operating voltage	product function	zero-point switching
at AC in hot operating state per pole without load current share typical insulation voltage rated value degree of pollution type of voltage of the operating voltage of the control supply voltage of the control supply voltage surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 greference code according to IEC 60068-2-6 reference code according to IEC 60068-2-6 greference code according to IEC 81346-2 qreference code according to IEC 81346-2 Qreference code according to IEC 81346-2 Queference code according to IEC 81346-2 Substance Prohibitance (Date) SYHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,0')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NC contacts for main contacts 1 number of NC contacts for main contacts 1 number of voltage of the operating voltage AC operating voltage	power loss [W] for rated value of the current	
without load current share typical insulation voltage rated value degree of pollution 3 type of voltage • of the operating voltage • of the control supply voltage	 at AC in hot operating state 	44 W
insulation voltage rated value degree of pollution type of voltage of the operating voltage of the control supply voltage of the control supply voltage In the control supply voltage of the control supply voltage of the control supply voltage DC surge voltage resistance of main circuit rated value for kV shock resistance according to IEC 60068-2-27 shock resistance according to IEC 60068-2-6 greference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-0,0')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NC contacts for main contacts 1 number of NC contacts for main contacts 1 type of voltage of the operating voltage AC operating voltage	 at AC in hot operating state per pole 	44 W
degree of pollution type of voltage of the operating voltage of the control supply voltage surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-27 type according to IEC 60068-2-6 greference code according to IEC 60068-2-6 reference code according to IEC 750 reference code according to IEC 81346-2 Qreference code according to IEC 81346-2 Questiance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of NO contacts for main contacts number of NC contacts for main contacts type of voltage of the operating voltage OC AC AC OC OC AC OC OC OC OC	 without load current share typical 	0.4 W
type of voltage • of the operating voltage • of the control supply voltage Surge voltage resistance of main circuit rated value 6 kV shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 reference code according to IEC 60068-2-6 reference code according to IEC 750 reference code according to IEC 81346-2 Q reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,0')tin - 22673-19-4 Main circuit number of Poles for main current circuit number of NO contacts for main contacts 1 number of NC contacts for main contacts type of voltage of the operating voltage OC AC AC OC AC AC OC AC AC OC AC A	insulation voltage rated value	600 V
of the operating voltage of the control supply voltage surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-27 15g / 11 ms vibration resistance according to IEC 60068-2-6 2g reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 Q reference code according to EN 61346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit	degree of pollution	3
of the control supply voltage surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-7 15g / 11 ms vibration resistance according to IEC 60068-2-6 2g reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 Q reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NC contacts for main contacts type of voltage of the operating voltage of the control value 6 kV 8 kV 15g / 11 ms 70 //10 //2006 K C Q C Dibutylbis(pentane-2,4-dionato-0,0')tin - 22673-19-4 ACC Operating voltage	type of voltage	
surge voltage resistance of main circuit rated value shock resistance according to IEC 60068-2-27 tipation resistance according to IEC 60068-2-6 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EC 81346-2 Q reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NO contacts for main contacts 1 number of NC contacts for main contacts type of voltage of the operating voltage of kV 2g K Lead - 7439-9-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 ACC	 of the operating voltage 	AC
shock resistance according to IEC 60068-2-27 vibration resistance according to IEC 60068-2-6 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 Q reference code according to EE 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NC contacts for main contacts 1 number of NC contacts for main contacts type of voltage of the operating voltage AC operating voltage	of the control supply voltage	DC
vibration resistance according to IEC 60068-2-6 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 Q reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NC contacts for main contacts 1 number of NC contacts for main contacts type of voltage of the operating voltage AC operating voltage	surge voltage resistance of main circuit rated value	6 kV
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 Q reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NO contacts for main contacts 1 number of NC contacts for main contacts type of voltage of the operating voltage AC Operating voltage	shock resistance according to IEC 60068-2-27	15g / 11 ms
to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 Q reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts type of voltage of the operating voltage operating voltage	vibration resistance according to IEC 60068-2-6	2g
reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts type of voltage of the operating voltage AC operating voltage		К
Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts type of voltage of the operating voltage AC operating voltage	reference code according to EN 61346-2	Q
SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit 1 number of NO contacts for main contacts 1 number of NC contacts for main contacts 0 type of voltage of the operating voltage AC operating voltage	reference code according to IEC 81346-2	Q
Lead monoxide (lead oxide) - 1317-36-8 Dibutylbis(pentane-2,4-dionato-O,O')tin - 22673-19-4 Main circuit number of poles for main current circuit 1 number of NO contacts for main contacts 1 number of NC contacts for main contacts 0 type of voltage of the operating voltage AC operating voltage	Substance Prohibitance (Date)	07/01/2006
number of poles for main current circuit number of NO contacts for main contacts number of NC contacts for main contacts type of voltage of the operating voltage operating voltage	SVHC substance name	Lead monoxide (lead oxide) - 1317-36-8
number of NO contacts for main contacts number of NC contacts for main contacts type of voltage of the operating voltage AC operating voltage	Main circuit	
number of NC contacts for main contacts type of voltage of the operating voltage AC operating voltage	number of poles for main current circuit	1
type of voltage of the operating voltage AC operating voltage	number of NO contacts for main contacts	1
operating voltage	number of NC contacts for main contacts	0
	type of voltage of the operating voltage	AC
• at AC	operating voltage	
	• at AC	

— at 50 Hz rated value	48 460 V
— at 60 Hz rated value	48 460 V
operating frequency rated value	50 60 Hz
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-51 rated value	40 A
at AC-51 according to IEC 60947-4-3	33 A
 according to UL 508 rated value 	36 A
operational current minimum	500 mA
rate of voltage rise at the thyristor for main contacts maximum permissible	1 000 V/μs
blocking voltage at the thyristor for main contacts maximum permissible	1 200 V
reverse current of the thyristor	10 mA
derating temperature	40 °C
surge current resistance rated value	1 200 A
I2t value maximum	7 200 A²·s
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage 1 at DC	
• rated value maximum permissible	30 V
•	15 24 V
control supply voltage	
at DC initial value for signal <1> detection	15 V
 at DC full-scale value for signal<0> recognition 	5 V
control current at minimum control supply voltage	
• at DC	13 mA
control current at DC rated value	15 mA
ON-delay time	1 ms; additionally max. one half-wave
ON-delay time OFF-delay time	1 ms; additionally max. one half-wave 1 ms; additionally max. one half-wave
OFF-delay time Auxiliary circuit	
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts	1 ms; additionally max. one half-wave
OFF-delay time Auxiliary circuit	1 ms; additionally max. one half-wave
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts	1 ms; additionally max. one half-wave 0 0
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions	1 ms; additionally max. one half-wave 0 0 0
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts	1 ms; additionally max. one half-wave 0 0
OFF-delay time 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 CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according
OFF-delay time 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 CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method	1 ms; additionally max. one half-wave 0 0 0 Ves screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm
OFF-delay time 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 CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts linstallation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	1 ms; additionally max. one half-wave 0 0 0 Ves screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts lnstallation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts linstallation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection
OFF-delay time 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 CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts for JIS cable lug	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5
OFF-delay time 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 CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts for JIS cable lug • for DIN cable lug for main contacts	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection
OFF-delay time 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 CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts for JIS cable lug	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5
OFF-delay time 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 CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts for JIS cable lug • for DIN cable lug for main contacts	1 ms; additionally max. one half-wave 0 0 0 Yes screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts for JIS cable lug • for DIN cable lug for main contacts type of connectable conductor cross-sections	1 ms; additionally max. one half-wave 0 0 0 Ves screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5 DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	1 ms; additionally max. one half-wave 0 0 0 Ves screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5 DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	1 ms; additionally max. one half-wave 0 0 0 Ves screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5 DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts for JIS cable lug • for DIN cable lug for main contacts type of connectable conductor cross-sections • for auxiliary and control contacts - solid - finely stranded with core end processing	1 ms; additionally max. one half-wave 0 0 0 0 Ves screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5 DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)
OFF-delay time Auxiliary circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts Installation/ mounting/ dimensions fastening method side-by-side mounting fastening method design of the thread of the screw for securing the equipment height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit • for auxiliary and control circuit type of connectable conductor cross-sections • for main contacts for JIS cable lug • for DIN cable lug for main contacts type of connectable conductor cross-sections • for auxiliary and control contacts - solid - finely stranded with core end processing - finely stranded without core end processing	1 ms; additionally max. one half-wave 0 0 0 0 Ves screw fixing and snap-on mounting on standard mounting rail 35 mm according to IEC 60715 M4 100 mm 67 mm 141 mm Yes Ring cable lug connection ring terminal lug connection JIS C 2805 R 2-5, 5,5-5, 8-5, 14-5 DIN 46234 -5-2,5, -5-6, -5-10, -5-16, -5-25 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²) 1x (0.5 2.5 mm²), 2x (0.5 1.0 mm²)

 for auxiliary and control contacts with screw-type terminals 	0.5 0.6 N·m
tightening torque [lbf·in]	
 for auxiliary and control contacts with screw-type terminals 	4.5 5.3 lbf·in
design of the thread of the connection screw	
 for main contacts 	M5
 of the auxiliary and control contacts 	M3
stripped length of the cable	
for main contacts	10 mm
 for auxiliary and control contacts 	10 mm
Electrical Safety	
protection class IP on the front according to IEC 60529	IP00; IP20 with cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover
Ambient conditions	
installation altitude at height above sea level maximum	1 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
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
field-based interference according to IEC 61000-4-3	80 MHz 1 GHz 10 V/m, 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 CISPR11	Class A for industrial environment
field-bound HF interference emission according to CISPR11	Class B for the domestic, business and commercial environments
Short-circuit protection, design of the fuse link	
manufacturer's article number	
 of gS fuse for semiconductor protection at NH design usable 	<u>3NE1802-0</u>
 of full range R fuse link for semiconductor protection at cylindrical design usable 	<u>5SE1350</u>
 of back-up R fuse link for semiconductor protection at NH design usable 	<u>3NE8017-1</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	3NA6812: These fuses have a smaller rated current than the semiconductor relays
• at cylindrical design 14 x 51 mm usable	3NW6112-1: 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
manufacturer's article number	
of DIAZED fuse usable	5SB4111: These fuses have a smaller rated current than the semiconductor relays
of NEOZED fuse usable	5SE2335: These fuses have a smaller rated current than the semiconductor relays
Approvals Certificates	
General Product Approval	EMV

General Product Approval

EMV





Confirmation







Test Certificates other Environment



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=3RF2340-3AA04

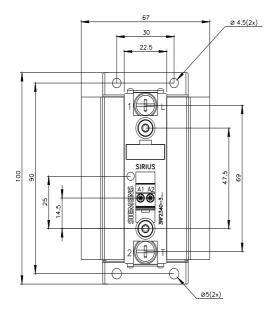
Cax online generator

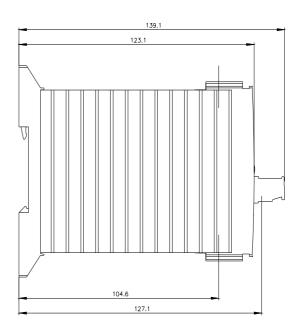
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RF2340-3AA04

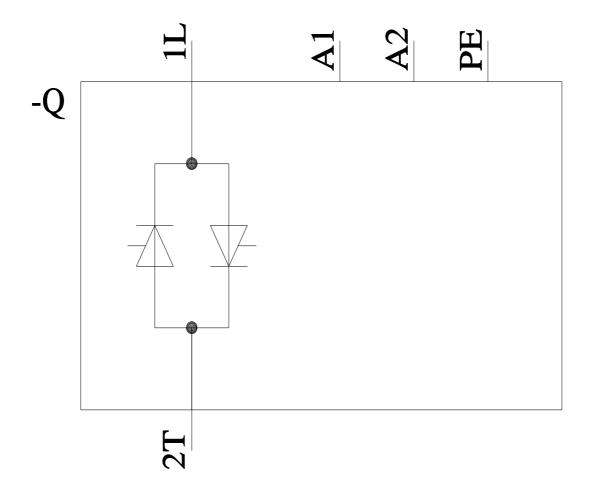
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RF2340-3AA04

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RF2340-3AA04&lang=en







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