SIEMENS

Data sheet 3RB3046-1XW1



Overload relay 32...115 A Electronic For motor protection Size S3, Class 10E Stand-alone installation Main circuit: Straight-through transformer Auxiliary circuit: Screw Manual-Automatic-Reset

product type designation product type designation grower loss Pylf or rated value of the current at AC in hot operating state power loss Pylf or rated value of the current at AC in hot operating state power loss Pylf or rated value of the current at AC in hot operating state power loss Pylf or rated value of the current at AC in hot operating state power loss Pylf or rated value of the current at AC in hot operating state power loss Pylf or rated value of the current at AC in hot operating state power loss Pylf or rated value of the current at AC in hot operating state power loss Pylf or rated value of the current at AC in hot operating state power loss Pylf or rated value of the current at AC in hot operating state on the problem of the problem	product brand name	SIRIUS
Size of overload relay size of contactor can be combined company-specific power loss [W] for rated value of the current at AC in hot operating state • per pole • per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value • in networks with ungrounded star point between auxiliary and auxiliary circuit • in networks with ungrounded star point between auxiliary and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • shock resistance • a coording to IEC 60068-2-27 thermal current 115 A reference code according to IEC 81346-2 F Substance Prohibitance (Date) 30/11 ms. Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms 115 A reference code according to IEC 81346-2 F Substance Prohibitance (Date) 30/12017 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum a during storage • during pransport • during storage • during transport • Jone C • during transport • Jone C • during transport • Jone C •	product designation	solid-state overload relay
size of ovarload relay size of contactor can be combined company-specific S3 power loss IV) for rated value of the current at AC in hot operating state • per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for protective separation • in networks with ungrounded star point between auxiliary and auxiliary circuit • in networks with grounded star point between auxiliary and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • shock resistance • according to IEC 60068-2-27 thormal current 115 A Treference code according to IEC 81346-2 Substance Prohibitance (Date) 30/11ms Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms 15g / 11 ms 25g / 11 ms 25g / 11 ms 25g / 11 ms 200 m / 25g / 2	product type designation	3RB3
size of contactor can be combined company-specific power loss [W] for rated value of the current at AC in hot operating state	General technical data	
power loss [W] for rated value of the current at AC in hot operating state • per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value 8 kV maximum permissible voltage for protective separation • in networks with ungrounded star point between auxiliary and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • shock resistance • according to IEC 60068-2-27 • 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms thermal current reference code according to IEC 81346-2 F Substance Prohibitance (Date) 30/01/2017 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport • during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	size of overload relay	S3
operating state • per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for protective separation • in networks with ungrounded star point between auxiliary and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit shock resistance • according to IEC 60068-2-27 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms thermal current 115A Teference code according to IEC 81346-2 F Substance Prohibitance (Date) 30/1/2017 SVHC substance name Lead -7439-92-1 Lead -7439-92-1 Lead -7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport 40 +80 °C temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	size of contactor can be combined company-specific	S3
insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value maximum permissible voltage for protective separation in networks with ungrounded star point between auxiliary and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in the protection of the star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary and unxiliary and		0.6 W
surge voltage resistance rated value maximum permissible voltage for protective separation • in networks with ungrounded star point between auxiliary and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with ungrounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • in networks with grounded star point between main and auxiliary circuit • according to IEC 60068-2-27 • 15g / 11 ms • according to IEC 60068-2-27 • 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms thermal current • 115 A reference code according to IEC 81346-2 F Substance Prohibitance (Date) SYHC substance name • Lead -7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport -40 +80 °C • during transport temperature compensation -25 +60 °C temperature compensation -25 +60 °C relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	• per pole	0.2 W
maximum permissible voltage for protective separation in networks with ungrounded star point between auxiliary and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit shock resistance according to IEC 60068-2-27 fsg / 11 ms according to IEC 60068-2-27 fsg / 11 ms, Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms thermal current reference code according to IEC 81346-2 F Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport temperature compensation -25 +60 °C during transport temperature compensation relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent voerload release operating voltage	insulation voltage with degree of pollution 3 at AC rated value	1 000 V
in networks with ungrounded star point between auxiliary and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit shock resistance in networks with grounded star point between main and auxiliary circuit shock resistance in networks with grounded star point between main and auxiliary circuit shock resistance in networks with grounded star point between main and auxiliary circuit shock resistance in networks with grounded star point between main and auxiliary circuit shock resistance in networks with ungrounded star point between main and auxiliary circuit shock resistance in networks with ungrounded star point between main and auxiliary circuit 15	surge voltage resistance rated value	8 kV
and auxiliary circuit in networks with grounded star point between auxiliary and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit shock resistance according to IEC 60068-2-27 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms thermal current 115 A reference code according to IEC 81346-2 F Substance Prohibitance (Date) 30//01/2017 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature oluring operation -25 +60 °C oluring transport -40 +80 °C temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	maximum permissible voltage for protective separation	
and auxiliary circuit in networks with ungrounded star point between main and auxiliary circuit in networks with grounded star point between main and auxiliary circuit shock resistance according to IEC 60068-2-27 thermal current 115 A reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature olduring storage during transport 40 +80 °C temperature compensation relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage		300 V
auxiliary circuit in networks with grounded star point between main and auxiliary circuit shock resistance according to IEC 60068-2-27 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms thermal current reference code according to IEC 81346-2 F Substance Prohibitance (Date) 30/01/2017 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during storage during transport 40 +80 °C temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage		300 V
auxiliary circuit shock resistance • according to IEC 60068-2-27 thermal current teference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	·	600 V
** according to IEC 60068-2-27 ** 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms ** thermal current ** 115 A ** reference code according to IEC 81346-2 ** Substance Prohibitance (Date) ** SVHC substance name ** Lead - 7439-92-1 ** Lead monoxide (lead oxide) - 1317-36-8 ** Weight ** Weight ** Ambient conditions ** installation altitude at height above sea level maximum ** ambient temperature ** during operation ** during storage ** during storage ** during transport ** temperature compensation ** relative humidity during operation ** Ambient circuit ** adjustable current response value current of the current-dependent overload release ** operating voltage**	·	690 V
thermal current reference code according to IEC 81346-2 F Substance Prohibitance (Date) 03/01/2017 SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport during transport temperature compensation relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	shock resistance	8g / 11 ms
reference code according to IEC 81346-2 Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature olduring operation olduring storage olduring transport temperature compensation -25 +60 °C temperature response value current of the current-dependent overload release operating voltage	• according to IEC 60068-2-27	15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 8g / 11 ms
Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport -40 +80 °C • during transport -25 +60 °C temperature compensation -25 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	thermal current	115 A
SVHC substance name Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation • during storage • during transport -40 +80 °C • during transport -25 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	reference code according to IEC 81346-2	F
Lead monoxide (lead oxide) - 1317-36-8 Weight 225 g Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature • during operation -25 +60 °C • during storage -40 +80 °C • during transport -40 +80 °C temperature compensation -25 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release operating voltage	Substance Prohibitance (Date)	03/01/2017
installation altitude at height above sea level maximum ambient temperature during operation during storage during transport temperature compensation relative humidity during operation Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage 2 000 m 2 000 m	SVHC substance name	
installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport -40 +80 °C • during transport -40 +80 °C temperature compensation -25 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	Weight	225 g
ambient temperature • during operation • during storage • during transport -40 +80 °C • during transport -40 +80 °C temperature compensation -25 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	Ambient conditions	
 during operation during storage during transport 40 +80 °C during transport -40 +80 °C temperature compensation -25 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage 	installation altitude at height above sea level maximum	2 000 m
 during storage during transport 40 +80 °C temperature compensation	ambient temperature	
● during transport	during operation	-25 +60 °C
temperature compensation -25 +60 °C relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	during storage	-40 +80 °C
relative humidity during operation 10 95 % Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage	during transport	-40 +80 °C
Main circuit number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage	temperature compensation	-25 +60 °C
number of poles for main current circuit adjustable current response value current of the current- dependent overload release operating voltage 3 32 115 A	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release operating voltage	Main circuit	
dependent overload release operating voltage	number of poles for main current circuit	3
		32 115 A
	operating voltage • rated value	1 000 V

	4.000.1/
at AC-3e rated value maximum	1 000 V
operating frequency rated value	50 60 Hz
operational current rated value	115 A
operational current at AC-3e at 400 V rated value	115 A
operating power	40.5 55.100
• for 3-phase motors at 400 V at 50 Hz	18.5 55 kW
• for AC motors at 500 V at 50 Hz	22 75 kW
• for AC motors at 690 V at 50 Hz	30 90 kW
Auxiliary circuit	
design of the auxiliary switch	integrated
number of NC contacts for auxiliary contacts	1
• note	for contactor disconnection
number of NO contacts for auxiliary contacts	1
• note	for message "tripped"
number of CO contacts for auxiliary contacts	0
operational current of auxiliary contacts at AC-15	
● at 24 V	4 A
• at 110 V	4 A
• at 120 V	4 A
• at 125 V	4 A
• at 230 V	3 A
operational current of auxiliary contacts at DC-13	
● at 24 V	2 A
• at 60 V	0.55 A
• at 110 V	0.3 A
• at 125 V	0.3 A
• at 220 V	0.11 A
Protective and monitoring functions	
trip class	CLASS 10E
design of the overload release	electronic
III /CSA ratings	
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
	115 A
full-load current (FLA) for 3-phase AC motor	115 A 115 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value	
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL	115 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection	115 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link	115 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	115 A B600 / R300
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	115 A B600 / R300 gG: 315 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required	115 A B600 / R300 gG: 315 A gG: 315 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required	115 A B600 / R300 gG: 315 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for main current circuit	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method 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 arrangement of electrical connectors for main current	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers screw-type terminals
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method 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 arrangement of electrical connectors for main current circuit	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers screw-type terminals
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method 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 arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers screw-type terminals
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method 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 arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for auxiliary contacts	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers screw-type terminals Top and bottom
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method 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 arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for auxiliary contacts — solid	gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers screw-type terminals Top and bottom 1x (0.5 4 mm²), 2x (0.5 2.5 mm²)
full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method 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 arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded	115 A B600 / R300 gG: 315 A gG: 315 A fuse gG: 6 A any stand-alone installation 106 mm 70 mm 124 mm Yes straight-through transformers screw-type terminals Top and bottom 1x (0.5 4 mm²), 2x (0.5 2.5 mm²) 1x (0,5 4 mm²), 2x (0,5 2,5 mm²)

tightening torque	
 for auxiliary contacts with screw-type terminals 	0.8 1.2 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv PZ 2
design of the thread of the connection screw	
of the auxiliary and control contacts	M3
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
Communication/ Protocol	
type of voltage supply via input/output link master	No
Electromagnetic compatibility	
conducted interference	
 due to burst according to IEC 61000-4-4 	2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
 due to conductor-earth surge according to IEC 61000-4-5 	2 kV (line to earth) corresponds to degree of severity 3
 due to conductor-conductor surge according to IEC 61000-4-5 	1 kV (line to line) corresponds to degree of severity 3
 due to high-frequency radiation according to IEC 61000- 4-6 	10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	6 kV contact discharge / 8 kV air discharge
Display	
display version for switching status	Slide switch
Approvals Certificates	



General Product Approval





Confirmation





For use in hazard-EMV ous locations

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>





Marine / Shipping

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=3RB3046-1XW1

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB3046-1XW1

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

https://support.industry.siemens.com/cs/ww/en/ps/3RB3046-1XW1

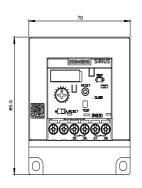
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

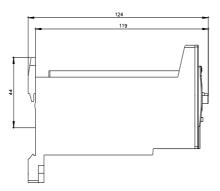
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RB3046-1XW1&lang=en

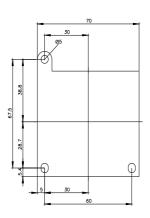
Characteristic: Tripping characteristics, I2t, Let-through current

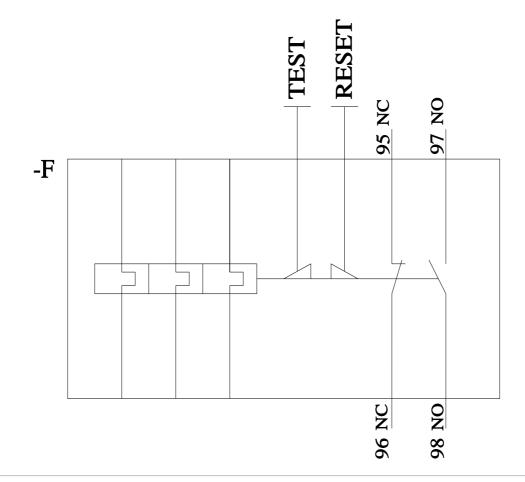
https://support.industry.siemens.com/cs/ww/en/ps/3RB3046-1XW1/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3046-1XW1&objecttype=14&gridview=view1









last modified:

3/11/2024

