## SIEMENS

## Data sheet

## 3RB3016-2NE0



Overload relay 0.32...1.25 A Electronic For motor protection Size S00, Class 20E Contactor mounting Main circuit: Spring-type terminal Auxiliary circuit: Spring-type terminal Manual-Automatic-Reset

product brand name         SIRIUS           product designation         3RB3           Ceneral technical data         3RB3           size of contactor can be combined company-specific power loss [W] for rated value of the current at AC in hot operating site.         S00           • per pole         0.3 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           value         600 V           surge voltage resistance rated value         64 KV           maximum permissible voltage for safe isolation in networks with grounded star point         600 V           • between auxiliary and auxiliary circuit         300 V           • between main and auxiliary circuit         300 V           • between main and auxiliary circuit         600 V           • between auxiliary and auxiliary circuit         600 V           • between auxiliary and auxiliary circuit         500 V           • between auxiliary and auxiliary circuit         500 V           • between auxiliary and auxil					
product type designation         3RB3           Central technical data           size of vertical relay         S00           size of contactor can be combined company-specific power loss [VI] for rated value of the current at AC in hot operating state         S00           operating state         0.1 W           operating state         0.3 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           surge voltage resistance rated value         680 V           use two en auxiliary and auxiliary circuit         300 V           o between auxiliary and auxiliary circuit         300 V           o between auxiliary and auxiliary circuit         300 V           o between auxiliary and auxiliary circuit         600 V           o between auxiliary and auxiliary circuit         500 V           o between auxiliary and auxiliary circuit         500 V           obstween auxiliary and auxiliary circuit         500 V           store according to EC 6068-2-27         15g / 11 ms           vibration resistance         15g / 11 ms           type of protection according to ATEX directive         21 (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]           2014/2/4/EU         PTE 09 ATEX 3001           2014/2/4/EU         20 00 m           ambient temperature         40 +	product brand name	SIRIUS			
Concernit tochnical data         size of overload relay       S00         size of contactor can be combined company-specific power loss [W] for rated value of the current at AC in hot operating state       S00         • per pole       0.03 W         insulation voltage with degree of pollution 3 at AC rated value       6 kV         surge voltage resistance rated value       6 kV         maximum permissible voltage for safe isolation in networks with grounded star point       300 V         • between auxiliary and auxiliary circuit       300 V         • between main and auxiliary circuit       600 V         • between according to ATEX directive       15g / 11 ms         • according to IEC 60068-2-27       15g / 11 ms         • direction       125A         • type of protection according to ATEX directive       125 A         • thermal current       126 A         • diring operation </th <th>product designation</th> <th colspan="3">solid-state overload relay</th>	product designation	solid-state overload relay			
size of overload relay     S00       size of contactor can be combined company-specific power loss (W) for rated value of the current at AC in hot orating state     0.1 W       • per pole     0.03 W       insultation voltage with degree of pollution 3 at AC rated value     680 V       surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point     6 kV       • between auxiliary and auxiliary circuit     300 V       • between main and auxiliary circuit     300 V       • between main and auxiliary circuit     600 V       • between according to ATEX directive     15g / 11 ms. Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms       • 125 A     F       • 1241/34/EU     0 / 100 / 12009       Ambient conditions     10 / 00 / 12009       • auri	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       S00         • per pole       0.1 W         • per pole       0.03 W         insulation voltage with degree of pollution 3 at AC rated value       6 kV         surge voltage resistance rated value       6 kV         maximum permissible voltage for safe isolation in networks with grounded star point       300 V         • between auxiliary and auxiliary circuit       300 V         • between main and auxiliary circuit       600 V         • between settance       15g / 11 ms         • between during to according to ATEX directive       201 //34 // 20 m/s², 10 cycles         • thermal current       1.25 A         • type of protection according to ATEX directive       2010 //34 //20         • during storage       - 40 +80 °C         • during storage       - 40 +80	General technical data				
power loss [W] for rated value of the current at AC in hot       0.1 W         oper pole       0.03 W         insulation voltage with degree of pollution 3 at AC rated       690 V         value       6 kV         surge voltage resistance rated value       6 kV         maximum permissible voltage for safe isolation in networks with grounded star point       6 kV         • between auxiliary and auxiliary circuit       300 V         • between main and auxiliary circuit       600 V         • between main and auxiliary circuit       690 V         shock resistance       15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms         vibration resistance       1.5 / 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms         vibration resistance       1.5 / 15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms         vibration resistance       1.0 / 120 G [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]         Certificate of suitability according to ATEX directive       201 / 00 / 00 / 00 / 00 / 00 / 00 / 00 /	size of overload relay	S00			
operating state       0.03 W         insultation voltage with degree of pollution 3 at AC rated value       680 V         surge voltage resistance rated value       6kV         maximum permissible voltage for safe isolation in networks with grounded star point       6kV         • between auxiliary and auxiliary circuit       300 V         • between main and auxiliary circuit       600 V         • between state       15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms         • coording to IEC 80068-2-27       15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms         vipe of protec	size of contactor can be combined company-specific	S00			
insulation voltage with degree of pollution 3 at AC rated value     690 V       surge voltage resistance rated value maximum permissible voltage for safe isolation in networks with grounded star point     6 kV       • between auxiliary and auxiliary circuit     300 V       • between auxiliary and auxiliary circuit     300 V       • between main and auxiliary circuit     600 V		0.1 W			
value       6 kV         surge voltage resistance rated value       6 kV         maximum permissible voltage for safe isolation in networks with grounded star point       300 V <ul> <li>between auxiliary and auxiliary circuit</li> <li>between main and auxiliary circuit</li> <li>600 V</li> <li>between the stance</li> <li>15g / 11 ms</li> <li>issignaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>vibration resistance</li> <li>16 Hz, 15 mm; 6-500 Hz, 20 m/s<sup>2</sup>; 10 cycles</li> <li>125 A</li> <li>type of protection according to ATEX directive</li> <li>2014/34/EU</li> <li>reference code according to IEC 81346-2</li> <li>F</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> <li>Ambient conditions</li> <li>aduing peration</li> <li>-25 +60 "C</li> <li> +80 "C</li> <li> +60 "C&lt;</li></ul>	• per pole	0.03 W			
maximum permissible voltage for safe isolation in networks with grounded star pointon• between auxiliary and auxiliary circuit300 V• between main and auxiliary circuit300 V• between main and auxiliary circuit600 V• between main and auxiliary circuit690 Vshock resistance15g / 11 ms• according to IEC 60068-2-2715g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 msvibration resistance1.6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cyclesthermal current1.25 Atype of protection according to ATEX directive2014/34/EUcertificate of suitability according to ATEX directive2014/34/EUcotting to Protection according to IEC 81346-2FSubstance Prohibitance (Date)10/01/2009Ambient conditions2000 minstallation altitude at height above sea level maximum ambient temperature2 000 m• during storage-25 +60 °C• during transport-40 +80 °C• during transport-40 +80 °C• during transport-40 +80 °C• during transport-25 +60 °C• during transp	8 8 I	690 V			
networks with grounded star point       300 V <ul> <li>between auxiliary and auxiliary circuit</li> <li>between main and auxiliary circuit</li> <li>between the main and auxiliary circuit</li> <li>the main current</li> <li>the fact and the main main auxiliary circuit</li> <li>certificate of suitability according to ATEX directive</li> <li>2014/34/EU</li> <li>certificate of suitability according to ATEX directive</li> <li>2014/34/EU</li> <li>reference code according to IEC 81346-2</li> <li>F</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> </ul> <li>Ambient conditions         <ul> <li>aduing transport</li> <li>40 +80 °C</li> <li< th=""><th>surge voltage resistance rated value</th><th>6 kV</th></li<></ul></li>	surge voltage resistance rated value	6 kV			
<ul> <li>between auxiliary and auxiliary circuit</li> <li>between main auxiliary circuit</li> <li>cortificate of suitability according to ATEX directive</li> <li>2014/34/EU</li> <li>cortificate of suitability according to ATEX directive</li> <li>2014/34/EU</li> <li>reference code according to IEC 81346-2</li> <li>F</li> <li>Substance Prohibitance (Date)</li> <li>alyotape</li> <li>during operation</li> <li>-25 +60 °C</li> <li>-25 +60 °C</li> <li>-40 +80 °C</li> <li>-40 +80 °C</li> <li>-40 +80 °C</li> <li>-40 +</li></ul>					
<ul> <li>between main and auxiliary circuit</li> <li>according to IEC 60068-2-27</li> <li>tig J [11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>tig J [11 ms; Gispaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>tig J [11 ms; Gispaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>tig J [11 ms; Gispaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>tig J [11 ms; Gispaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>tig J [11 ms; Gispaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>tig J [11 ms; Gispaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>tig J [11 ms; Gispaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>tig J [12 ms Correls according to ATEX directive 2014/34/EU</li> <li>certificate of suitability according to ATEX directive 2014/34/EU</li> <li>reference code according to IEC 81346-2</li> <li>F</li> <li>Substance Prohibitance (Date)</li> <li>Doi/12009</li> </ul> Anbient conditions           installation altitude at height above sea level maximum         2 000 m           adjuing operation         -25 +60 °C           • during storage         -40	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	300 V			
• between main and auxiliary circuit       690 V         shock resistance       15g / 11 ms         • according to IEC 60068-2-27       15g / 11 ms; Ganaling contact 97 / 98 in position "Tripped": 9g / 11 ms         vibration resistance       1-6 Hz, 15 mm; 6-500 Hz, 20 m/s <sup>2</sup> ; 10 cycles         thermal current       1.25 A         type of protection according to ATEX directive       2.25 A         2014/34/EU       PTB 09 ATEX 3001         certificate of suitability according to ATEX directive       2014/34/EU         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         aduring operation       -25 +60 °C         • during operation       -25 +60 °C         • during operation       -25 +60 °C         • during transport       -40 +80 °C         • during transport       -90 °C	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	300 V			
shock resistance15g / 11 ms• according to IEC 60068-2-2715g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 msvibration resistance1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cyclesthermal current1.25 Atype of protection according to ATEX directiveEx II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]certificate of suitability according to ATEX directivePTB 09 ATEX 30012014/34/EUreference code according to IEC 81346-2Fsubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum a during storage-25 +60 °C• during storage-40 +80 °C• during transport-40 +80 °C• during torage-40 +80 °C• during torage-40 +80 °C• during torage-25 +60 °C• adjustable current circuit3adjustable current response value current of the current-dependent overload release0.32 1.25 A• rated value690 V	<ul> <li>between main and auxiliary circuit</li> </ul>	600 V			
• according to IEC 60068-2-27       15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms         vibration resistance       1-6 Hz, 15 mm; 6-500 Hz, 20 m/s <sup>2</sup> ; 10 cycles         thermal current       1.25 A         type of protection according to ATEX directive       2014/34/EU         certificate of suitability according to ATEX directive       PTB 09 ATEX 3001         2014/34/EU       PTB 09 ATEX 3001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       20 000 m         installation altitude at height above sea level maximum       2 0000 m         aduring operation       -25 +60 °C         • during transport       -40 +80 °C         • during transport       -40 +80 °C         • during transport       -25 +60 °C         • during transport       -25 +60 °C         • during operation       -25 +60 °C         • during transport       -40 +80 °C         temperature compensation       -25 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload r	<ul> <li>between main and auxiliary circuit</li> </ul>	690 V			
vibration resistance1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cyclesthermal current1.25 Atype of protection according to ATEX directive 2014/34/EUEx II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]certificate of suitability according to ATEX directive 2014/34/EUPTB 09 ATEX 3001certificate of suitability according to IEC 81346-2 Substance Prohibitance (Date)FMbient conditions2000 mambient temperature of during storage of during transport2 000 mduring transport relative humidity during operation relative humidity during operation relative humidity during operation3 0.00 CMain circuit operating voltage operating voltage operating voltage or ated value3 0.00 V	shock resistance	15g / 11 ms			
thermal current1.25 Atype of protection according to ATEX directive 2014/34/EUEx II (2) G [Ex e] [Ex d] [Ex px] ; Ex II (2) D [Ex t] [Ex p]certificate of suitability according to ATEX directive 2014/34/EUPTB 09 ATEX 3001reference code according to IEC 81346-2FSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum a during operation2 000 m• during operation • during storage • during transport-25 +60 °C -40 +80 °C -25 +60 °C • 60 °C • 00 95 %Main circuit3number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage 	<ul> <li>according to IEC 60068-2-27</li> </ul>	15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms			
type of protection according to ATEX directive 2014/34/EUEx II (2) G [Ex e] [Ex d] [Ex px] ; Ex II (2) D [Ex t] [Ex p]certificate of suitability according to ATEX directive 2014/34/EUPTB 09 ATEX 3001reference code according to IEC 81346-2 Substance Prohibitance (Date)FSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum ambient temperature2 000 m• during operation • during storage • during transport-25 +60 °C• during transport relative humidity during operation-25 +60 °C• during transport relative humidity during operation-25 +60 °C• Main circuit adjustable current circuit adjustable current response value current of the current-dependent overload release operating voltage • rated value30.32 1.25 A0.32 1.25 A	vibration resistance	1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cycles			
2014/34/EU       Contract of the first of t	thermal current	1.25 A			
2014/34/EU       F         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • 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       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       690 V		Ex II (2) G [Ex e] [Ex d] [Ex px] ; Ex II (2) D [Ex t] [Ex p]			
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum ambient temperature       2 000 m         • during operation       -25 +60 °C         • during storage       -40 +80 °C         • during transport       -40 +80 °C         • during transport       -25 +60 °C         • during transport       -40 +80 °C         • during transport       -25 +60 °C         • during transport       -25 +60 °C         • during operation       -25 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       690 V		PTB 09 ATEX 3001			
Ambient conditions         installation altitude at height above sea level maximum         ambient temperature         • during operation         • during storage         • 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         • rated value	reference code according to IEC 81346-2	F			
installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -40 +80 °C         • during transport       -40 +80 °C         • during operation       -25 +60 °C         • during transport       -40 +80 °C         • during transport       -25 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       -         • rated value       690 V	Substance Prohibitance (Date)	10/01/2009			
ambient temperature       -25 +60 °C         • during storage       -40 +80 °C         • during transport       -40 +80 °C         • during transport       -25 +60 °C         • during transport       -25 +60 °C         • during transport       -25 +60 °C         • temperature compensation       -25 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       -         • rated value       690 V	Ambient conditions				
• during operation-25 +60 °C• during storage-40 +80 °C• during transport-40 +80 °C• during transport-25 +60 °Ctemperature compensation-25 +60 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current-dependent overload release0.32 1.25 Aoperating voltage • rated value690 V	installation altitude at height above sea level maximum	2 000 m			
<ul> <li>during storage</li> <li>during storage</li> <li>during transport</li>     &lt;</ul>	ambient temperature				
<ul> <li>during transport</li> <li>-40 +80 °C</li> <li>temperature compensation</li> <li>-25 +60 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> <li>Main circuit</li> <li>number of poles for main current circuit</li> <li>adjustable current response value current of the current-dependent overload release</li> <li>operating voltage         <ul> <li>rated value</li> <li>690 V</li> </ul> </li> </ul>	<ul> <li>during operation</li> </ul>	-25 +60 °C			
temperature compensation       -25 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       690 V	<ul> <li>during storage</li> </ul>	-40 +80 °C			
relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage <ul> <li>rated value</li> <li>690 V</li> </ul>	<ul> <li>during transport</li> </ul>	-40 +80 °C			
Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       690 V	temperature compensation				
number of poles for main current circuit       3         adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       • rated value         690 V	relative humidity during operation	10 95 %			
adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       690 V	Main circuit				
current-dependent overload release operating voltage • rated value 690 V	number of poles for main current circuit	3			
rated value     690 V		0.32 1.25 A			
	operating voltage				
at AC-3e rated value maximum     690 V	<ul> <li>rated value</li> </ul>	690 V			
	<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V			

operating frequency rated value	50 60 Hz
operational current rated value	1.25 A
operational current at AC-3e at 400 V rated value	1.25 A
operating power	
<ul> <li>for 3-phase motors at 400 V at 50 Hz</li> </ul>	0.12 0.37 kW
<ul> <li>for AC motors at 500 V at 50 Hz</li> </ul>	0.12 0.55 kW
<ul> <li>for AC motors at 690 V at 50 Hz</li> </ul>	0.18 0.75 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 20E
design of the overload release	electronic
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	1.25 A
<ul> <li>at 600 V rated value</li> </ul>	1.25 A
contact rating of auxiliary contacts according to UL	D000 / D000
somation rating of auxiliary contacts according to OL	B600 / R300
	B600 / R300
Short-circuit protection	B600 / K300
Short-circuit protection design of the fuse link	B600 / K300
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit	
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	gG: 35 A, RK5: 6 A
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	gG: 35 A, RK5: 6 A gG: 6 A
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	gG: 35 A, RK5: 6 A
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	gG: 35 A, RK5: 6 A gG: 6 A
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	gG: 35 A, RK5: 6 A gG: 6 A
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	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A
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	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any
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	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting
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: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm
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: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm
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: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm
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	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm
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: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm
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	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm
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	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm Yes spring-loaded terminals
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         arrangement of electrical connectors for main current circuit	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm Yes spring-loaded terminals spring-loaded terminals
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: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm Yes spring-loaded terminals spring-loaded terminals
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 main contacts	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm Yes Spring-loaded terminals spring-loaded terminals Top and bottom
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 main contacts         - solid	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm Yes Spring-loaded terminals spring-loaded terminals Top and bottom 1x (0.5 4 mm <sup>2</sup> )
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 main contacts         - solid         - solid or stranded	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm Yes Spring-loaded terminals spring-loaded terminals Top and bottom 1x (0.5 4 mm <sup>2</sup> ) 1x (0,5 4 mm <sup>2</sup> )
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 main contacts         - solid         - solid         - solid or stranded         - finely stranded with core end processing	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm Yes Spring-loaded terminals spring-loaded terminals Top and bottom $1x (0.5 4 mm^2)$ $1x (0.5 4 mm^2)$ $1x (0.5 2.5 mm^2)$
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 main contacts         — solid         — solid or stranded         — finely stranded with core end processing         — finely stranded without core end processing	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 Aany Contactor mounting 72 mm 45 mm 90 mmYesYes $spring-loaded terminalsspring-loaded terminalsTop and bottom1x (0.5 4 mm²)1x (0.5 4 mm²)1x (0.5 2.5 mm²)1x (0.5 2.5 mm²)$
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 main contacts         - solid         - solid         - solid or stranded         - finely stranded with core end processing	gG: 35 A, RK5: 6 A gG: 6 A fuse gG: 6 A any Contactor mounting 72 mm 45 mm 90 mm Yes Spring-loaded terminals spring-loaded terminals Top and bottom $1x (0.5 4 mm^2)$ $1x (0.5 4 mm^2)$ $1x (0.5 2.5 mm^2)$

	randed nded with core end process nded without core end proce for auxiliary contacts er shaft ver tip on the front according to the front according to IE tocol oly via input/output link m patibility	sing 2x eessing 2x 1x Dia Po IEC IP: C 60529 fin	ger-safe, for vertical conta	act from the front	
	<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>			nal ports) corresponds	
61000-4-5	or-earth surge according to		2 kV (line to earth) corresponds to degree of severity 3		
61000-4-5	or-conductor surge accordi	-	1 kV (line to line) corresponds to degree of severity 3		
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 electrostatic discharge according to IEC 61000-4-2			V air discharge	
Display	0		5	5	
display version for sw	vitching status	Sli	de switch		
Certificates/ approval	s				
General Product Ap	oproval				EMC
SA CSA	<u>Confirmation</u>	CCC		EAC	RCM
For use in hazard- ous locations	Declaration of Conform	nity	Test Certificates		Marine / Shipping
KEx ATEX	UK CA	CE EG-Konf.	Special Test Certific- ate	Type Test Certific- ates/Test Report	ABS
Marine / Shipping					
BUREAU VERITAS	Lloyd's Register uts	PRS	RINA	RMRS	CINV-GL DINV-GL DINV-GL
other					
Confirmation					

## Further information

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

90.2

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RB3016-2NE0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB3016-2NE0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RB3016-2NE0

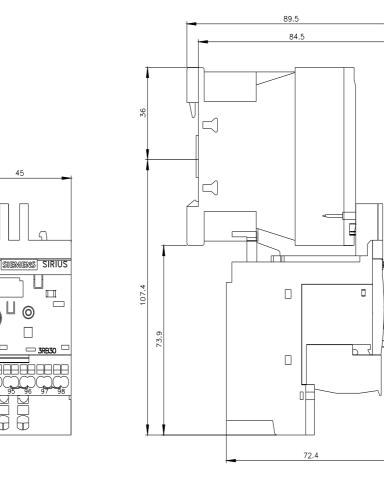
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RB3016-2NE0&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RB3016-2NE0&lang=en</a>

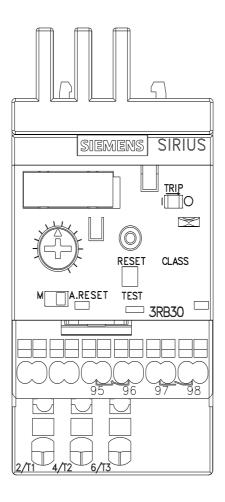
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

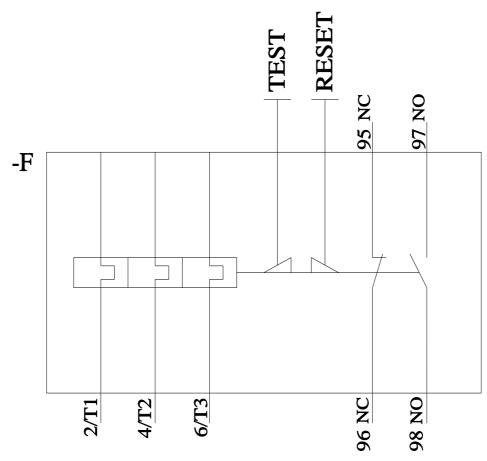
https://support.industry.siemens.com/cs/ww/en/ps/3RB3016-2NE0/char

Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3016-2NE0&objecttype=14&gridview=view1







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