## SIEMENS

## Data sheet

## 3RB3016-1NB0



Overload relay 0.32...1.25 A Electronic For motor protection Size S00, Class 10E Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name         SIRIUS           product disgnation         saR83           central technical data         sare of vertical data           size of contactor can be combined company-specific         S00           power loss (W) for rated value of the current at AC in hot operating state         0.1 W           opprating state         0.03 W           insulation voltage resistance rated value         64 kV           maximum permissible voltage for protective separation in networks with grounded stare 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 main and auxiliary circuit		
product type designation         3RB3           Ceneral technical data         S00           size of vertod relay         S00           size of contactor can be combined company-specific         S00           power loss [W] for rated value of the current at AC in hot operating state         0.1 W           opprating state         0.03 W           insulation votage with degree of pollution 3 at AC rated value         690 V           surge votage resistance rated value         6 KV           maximum permissible voltage for protective separation in networks with grounded star point         300 V           • between main and auxiliary circuit         300 V           • between main and auxiliary circuit         600 V           • between main and auxiliary circuit         59 / 11 ms           resording to EEC 60068-2-27	-	
Concrait tochnical data         S00           size of overload relay         S00           size of contactor can be combined company-specific         S00           oppertions site         0.1 W           oppertions site         0.1 W           insulation voltage with degree of pollution 3 at AC rated value         690 V           surge voltage resistance rated value         6 kV           maximum permissible voltage for protocitive separation in networks with grounded star point         300 V           • between auxiliary and auxiliary circuit         300 V           • between main and auxiliary circuit         600 V           stock resistance         15g / 11 ms           • between main and auxiliary circuit         600 V           shock resistance         15g / 11 ms           • according to IEC 60068-2-27         15g / 11 ms           vibration resistance         1-6 kL, 15 mm (6-500 Hz, 20 m/s²) to cycles           thermal current         125 A           type of protection according to ATEX directive 2014/34/EU         Ex II (2) G [Ex 0] [Ex 1] (Ex p1] (Ex [1] Ex 1]           reference code according to ATEX directive 2014/34/EU         F           Subtance Prohibitance (Date)         10/01/2009           Ambient conditions         25 +60 "C           • during storage         -40		
size of overload relay     S00       size of contactor can be combined company-specific     S00       power loss [W] for rated value of the current at AC in hot operating state     0.1 W       • per pole     0.03 W       insulation voltage with degree of pollution 3 at AC rated value     600 V       surge voltage resistance rated value     600 V       surge voltage resistance rated value     600 V       insulation voltage with degree of pollution 3 at AC rated value     600 V       surge voltage resistance rated value     600 V       • between main and auxiliary circuit     300 V       • between main and auxiliary circuit     600 V       • between resistance     15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms       • vibration resistance     16 Rz, 15 mm; 6-500 Hz, 20 m/s*, 10 cycles       thermal current     1.25 A       type of protection according to ATEX directive 2014/34/EU     FI BU P TB 109 ATEX 3001       reference code according to IEC 81346-2     F       Substance Prohibitance (Date)     100/12009       Ambient conditions		3RB3
size of contactor can be combined company-specific         S00           power loss [W] for rated value of the current at AC in hot operating state         0.1 W           • per pole         0.03 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           surge voltage resistance rated value         68V           maximum permissible voltage for protective separation in networks with grounded star point         68V           • between auxiliary and auxiliary circuit         300 V           • between main and auxiliary circuit         300 V           • between main and auxiliary circuit         680 V           • between main and auxiliary circuit         690 V           • between main and auxiliary circuit         600 V           • between main and auxiliary circuit         690 V           • between main and auxiliary circuit         700 C		
power loss [W] for rated value of the current at AC in hot operating state       0.1 W         • per pole       0.03 W         insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       64V         maximum permissible voltage for protective separation in networks with grounded star point       300 V         • between auxiliary and auxiliary circuit       300 V         • between auxiliary and auxiliary circuit       600 V         • between main and auxiliary circuit       600 V         • between cold occording to ATEX directive 2014/34/EU       F         vibration resistance       16 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cycles         thermal current       10 V/1200 P         current       201/20 P         reference code according to EEC 81346-2       F <tri< th=""><th></th><th></th></tri<>		
operating state         0.03 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           surge voltage resistance rated value         64V           maximum permissible voltage for protective separation in networks with groundd star point         64V           • between auxiliary and auxiliary circuit         300 V           • between main and auxiliary circuit         300 V           • between main and auxiliary circuit         600 V           shock resistance         15g / 11 ms           • according to IEC 60068-2-27         15g / 11 ms           • between main and auxiliary circuit         600 V           shock resistance         15g / 11 ms           • according to IEC 60068-2-27         15g / 11 ms           • according to IEC 60068-2-27         15g / 11 ms           • according to ATEX directive 2014/34/EU         PX III (2) D [Ex 1] (2)		
insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       6 kV         maximum permissible voltage for protective separation in networks with grounded star point       300 V         • between auxiliary and auxiliary circuit       300 V         • between main and auxiliary circuit       600 V         • according to IEC 60068-2-27       15g / 11 ms         vibration resistance       1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cycles         thermal current       1.25 A         type of protection according to ATEX directive 2014/34/EU       EX II (2) G [Ex pl] [Ex pl] [Ex pl]         certificate of suitability according to ATEX directive 2014/34/EU       F         Substance Prohibitance (Date)       10/01/2009         Ambient temperature       10/01/2009         Ambient temperature       -40 +60 °C         • during operation       -25 +60 °C         • during transport       -40 °C <th></th> <th>0.1 W</th>		0.1 W
surge voltage resistance rated value       6 kV         maximum permissible voltage for protective separation in networks with grounded star point       300 V         • between auxiliary and auxiliary circuit       300 V         • between main and auxiliary circuit       600 V         • according to IEC 60068-2-27       15g / 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       PTB 09 ATEX 3001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       10/01/2009         ambient temperature       -25 +60 °C         • during storage       -40 +80 °C         • during transport       -40 +80 °C         temperature compensation	• per pole	0.03 W
maximum permissible oltage for protective separation in networks with grounded star point         • between auxiliary and auxiliary circuit       300 V         • 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         • according to IEC 60068-2-27       15g / 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       Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]         certificate of suitability according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient traperature       -40 +80 °C         • during storage       -40 +80 °C         • during operation       -25 +60 °C         • during transport       -40 +80 °C         • during transport       -40 +80 °C         • during tready elive humidit	insulation voltage with degree of pollution 3 at AC rated value	690 V
networks with grounded star point       300 V         • between auxiliary circuit       300 V         • between main 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         • according to IEC 60068-2-27       15g / 11 ms; Good IL, 20 m/s <sup>2</sup> ; 10 cycles         thermal current       1.25 A         type of protection according to ATEX directive 2014/34/EU       Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]         reference code according to ATEX directive 2014/34/EU       PTB 09 ATEX 3001         reference code according to ATEX directive 2014/34/EU       PTB 09 ATEX 3001         reference code according to ATEX directive 2014/34/EU       PTB 09 ATEX 3001         reference code according to ATEX directive 2014/34/EU       PTB 09 ATEX 3001         reference code according to ATEX directive 2014/34/EU       PTB 09 ATEX 3001         reference code according to TEC 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         adbient compensation       -25 +60 °C         • during g	surge voltage resistance rated value	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         • according to IEC 60068-2-27       15g / 11 ms         • vibration resistance       1-6 Hz, 15 mm; 6-500 Hz, 20 m/s², 10 cycles         thermal current       1.25 A         type of protection according to ATEX directive 2014/34/EU       Ex II (2) G [Ex e] [Ex d] [Ex p]; Ex II (2) D [Ex t] [Ex p]         certificate of suitability according to ATEX directive 2014/34/EU       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       1         installation all/tude at height above sea level maximum       2 000 m         ambient temperature       -40 +80 °C         • during operation       -25 +60 °C         • during transport       -40 +80 °C         • during transport       -95 %         Main circuit       3         adjustable current response value current of the current- dependent overlad release       0.32 1.25 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V		
<ul> <li>between main and auxiliary circuit</li> <li>between main and auxiliary circuit</li> <li>600 V</li> <li>between main and auxiliary circuit</li> <li>600 V</li> <li>shock resistance</li> <li>15g / 11 ms</li> <li>according to EC 60068-2-27</li> <li>15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms</li> <li>vibration resistance</li> <li>1-6 Hz, 15 mm; 6-500 Hz, 20 m/s<sup>2</sup>; 10 cycles</li> <li>thermal current</li> <li>1.25 A</li> <li>type of protection according to ATEX directive 2014/34/EU</li> <li>Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]</li> <li>certificate of suitability according to ATEX directive 2014/34/EU</li> <li>PTB 09 ATEX 3001</li> <li>reference code according to IEC 81346-2</li> <li>F</li> <li>Substance Prohibitance (Date)</li> <li>001/2009</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> <li>ambient temperature         <ul> <li>during operation</li> <li>-25 +60 °C</li> <li>during transport</li> <li>40 +80 °C</li> <li>temperature compensation</li> <li>-25 +60 °C</li> <li>temperature opensation</li> <li>-25 +60 °C</li> <li>during transport</li> <li>-40 +80 °C</li> </ul> </li> <li>temperature compensation</li> <li>-25 +60 °C</li> <li>temperature compensation</li> <li>-25 +60 °C</li> <li>temperature compensation</li> <li>-25 +60 °C</li> </ul> <li>temperature compensation</li> <li>-25 +60 °C</li> <li>temperature dispense value current of the current</li> <li>digustable current response valu</li>	<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; 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         EX 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/EU         PTB 09 ATEX 3001           reference code according to IEC 81346-2         F           Substance Prohibitance (Date)         1001/2009           Amblent conditions         2000 m           installation altitude at height above sea level maximum         2 000 m           adjuing torage         -40 +80 °C           - during torage         -40 +80 °C           - temperature compensation         -25 +60 °C           relative humidity during operation         -25 +60 °C           minumber 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           • rated value         690 V           • at AC-3e rated value maximum	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	300 V
shock resistance       15g / 11 ms         • 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/s²; 10 cycles         thermal current       1.25 A         type of protection according to ATEX directive 2014/34/EU       Ex 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/EU       PTB 09 ATEX 3001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       10/01/2009         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during transport       -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       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 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/s², 10 cycles         thermal current       1.25 A         type of protection according to ATEX directive 2014/34/EU       Ex II (2) G [Ex e] [Ex d] [Ex pz]; Ex II (2) D [Ex t] [Ex p]         certificate of suitability according to ATEX directive 2014/34/EU       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       10/01/2009         installation altitude at height above sea level maximum       2 000 m         amblent temperature       -         • during operation       -25 +60 °C         • during storage       -40 +80 °C         • during transport       -40 +80 °C         relative humidity during operation       -25 +60 °C         relative humidity during operation       -25 +60 °C         adjustable current circuit       3         adjustable current response value current of the current-dependent overload release       0.32 1.25 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V	<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 pz]; 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 maximum2 000 mambient temperature-• during operation-25 +60 °C• during storage-40 +80 °C• during transport-40 +80 °Ctemperature compensation-25 +60 °Crelative humidity during operation-25 +60 °C• during transport-40 +80 °C• during transport-3040 °C• during transport-30 °C• during transport-30 °C• during transport-30 °C• during operation-25 +60 °C• during transport-30 °C• during operation-35 °C• during transport-40 °C• during transport-30 °C• during tr	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 maximum2 000 mambient temperature-25 +60 °C• during operation-25 +60 °C• during storage-40 +80 °C• during transport-40 +80 °Crelative humidity during operation-25 +60 °Cmember of poles for main current circuit3adjustable current response value current of the current- dependent overload release0.32 1.25 Aoperating voltage690 V• at AC-3e rated value maximum690 V	according to IEC 60068-2-27	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 p]; 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 maximum2 000 mambient temperature-25 +60 °C• during operation-25 +60 °C• during storage-40 +80 °C• during operation-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• at AC-3e rated value maximum690 V	vibration resistance	1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cycles
certificate of suitability according to ATEX directive 2014/34/EU       PTB 09 ATEX 3001         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-       0.32 1.25 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V	thermal current	1.25 A
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       -         • during operation       -25 +60 °C         • during storage       -40 +80 °C         • during transport       -40 +80 °C         temperature compensation       -25 +60 °C         relative humidity during operation       -25 +60 °C         Main circuit       -25 +60 °C         number of poles for main current circuit       3         adjustable current response value current of the current-       0.32 1.25 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V	type of protection according to ATEX directive 2014/34/EU	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       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         • at AC-3e rated value maximum       690 V	certificate of suitability according to ATEX directive 2014/34/EU	PTB 09 ATEX 3001
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         • at AC-3e rated value maximum       690 V	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         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         • at AC-3e rated value maximum       690 V	Substance Prohibitance (Date)	10/01/2009
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 • rated value       690 V         • at AC-3e rated value maximum       690 V	Ambient conditions	
• during operation-25 +60 °C• during storage-40 +80 °C• during transport-40 +80 °C• during transport-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• at AC-3e rated value maximum690 V	installation altitude at height above sea level maximum	2 000 m
• 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         • rated value       690 V         • at AC-3e rated value maximum       690 V	ambient temperature	
• 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         • rated value       690 V         • at AC-3e rated value maximum       690 V	during operation	-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         • rated value       690 V         • at AC-3e rated value maximum       690 V	during storage	-40 +80 °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 <ul> <li>rated value</li> <li>690 V</li> <li>690 V</li> <li>690 V</li> <li>690 V</li> </ul>	during transport	-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 <ul> <li>rated value</li> <li>690 V</li> <li>et AC-3e rated value maximum</li> <li>690 V</li> </ul>	temperature compensation	-25 +60 °C
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 <ul> <li>rated value</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>690</li></ul>	relative humidity during operation	10 95 %
adjustable current response value current of the current-       0.32 1.25 A         operating voltage          • rated value       690 V         • at AC-3e rated value maximum       690 V	Main circuit	
dependent overload release       operating voltage       • rated value       • at AC-3e rated value maximum	number of poles for main current circuit	3
rated value     at AC-3e rated value maximum     690 V		0.32 1.25 A
• at AC-3e rated value maximum 690 V	operating voltage	
	rated value	690 V
operating frequency rated value 50 60 Hz	<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
• for AC motors at 690 V at 50 Hz	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 10E
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
at 600 V rated value	1.25 A
contact rating of auxiliary contacts according to UL	B600 / R300
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 35 A, RK5: 6 A
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 6 A
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gG: 6 A
Installation/ mounting/ dimensions	
mounting position	any
fastening method	Contactor mounting
height	79 mm
width	45 mm
depth	73 mm
Connections/ Terminals	
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	
for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections for main contacts	
• solid	1x (0.5 4 mm²), 2x (0.5 1.5 mm²), 2x (0.75 4 mm²)
solid or stranded	1x (0,5 4 mm²), 2x (0,5 1,5 mm²), 2x (0,75 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5 2.5 mm²)
type of connectable conductor cross-sections	
• for auxiliary contacts	
— solid	1x (0.5 4 mm²), 2x (0.5 2.5 mm²)
— solid or stranded	1x (0,5 4 mm²), 2x (0,5 2,5 mm²)

<ul> <li>finely stranded with core end processing</li> </ul>	$1\times (0.5 - 2.5 \text{ mm}^2) - 2\times (0.5 - 1.5 \text{ mm}^2)$			
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	1x (0.5 2.5 mm <sup>2</sup> ), 2x (0.5 1.5 mm <sup>2</sup> ) 1x (20 14) 2x (20 14)			
tightening torque	1x (20 14), 2x (20 14)			
<ul> <li>for main contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m			
for auxiliary contacts with screw-type terminals	0.8 1.2 Nm			
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				
for main contacts	M3			
<ul> <li>of the auxiliary and control contacts</li> </ul>	M3			
Safety related data				
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				
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	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			
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM wit	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			
Certificates/ approvals				
For use in hazard-		RCM		
ous locations Declaration of Conformity	Test Certificates Marine	e / Shipping		
	<u>Type Test Certific-</u> <u>Special Test Certific-</u> <u>ates/Test Report</u> <u>ate</u>	ABS		
Marine / Shipping	other			
BUREAU VERITAS		nfirmation		
Further information		nfirmation		
Further information Siemens has decided to exit the Russian market (see here).	RINA DIVIGLO	nfirmation		
Further information Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-d Siemens is working on the renewal of the current EAC certific Please contact your local Siemens office on the status of validity o EAC relevant market (other than the sanctioned EAEU member st Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10	Cown-russian-business cates. of the EAC certification if you intend to import or offer to supply these p			
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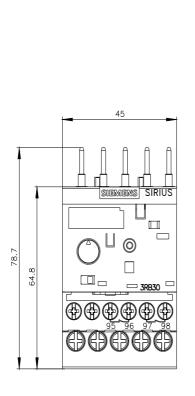
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

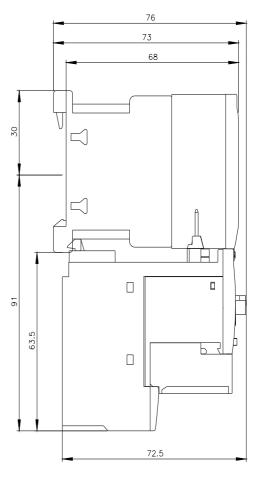
https://support.industry.siemens.com/cs/ww/en/ps/3RB3016-1NB0

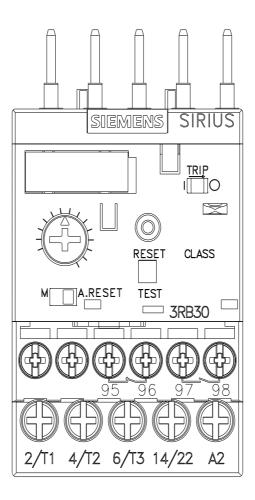
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RB3016-1NB0&lang=en

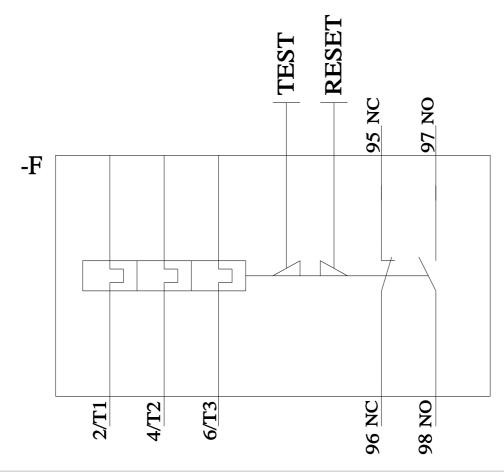
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RB3016-1NB0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3016-1NB0&objecttype=14&gridview=view1









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