## SIEMENS

## Data sheet

## 3RU2116-0JB0



Overload relay 0.70...1.0 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name         SIRIUS           product designation         3RU2           Cenaral technical data		
product type designation         3RU2           General tachnical data         size of overload relay         S00           size of contactor can be combined company-specific         S00           power loss [V] for rated value of the current at AC in hot operating state         • surge voltage resistance rated value           • per pole         1.6 W           insulation voltage with degree of pollution 3 at AC rated value         66V           surge voltage resistance rated value         66V           maximum permissible voltage for protective separation in networks with grounded star point         440 V           • between auxiliary and auxiliary circuit         440 V           • between main and auxiliary circuit         400 V           • between main and auxiliary circuit         400 V           • between main and auxiliary circuit		
Central technical data         Solo           size of overload relay         Solo           size of contactor can be combined company-specific         Solo           power loss (V) for rated value of the current at AC in hot operating state         4.8 W           operating state         1.6 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 protective separation in networks with grounded star point         440 V           • between auxiliary and auxiliary circuit         440 V           • between main and auxiliary circuit         40 V           • between main and auxiliary circuit         40 V           • between main and a		
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     4.8 W       • per pole     1.6 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 protective separation in networks with grounded star point     440 V       • between auxiliary and auxiliary circuit     440 V       • between main and auxiliary circuit     50 (1 (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     EX II (2) GD       certificate of suitability according to ATEX directive 2014/3		3RU2
size of contactor can be combined company-specific       S00         power loss [W] for rated value of the current at AC in hot operating state       4.8 W         • per pole       1.6 W         Insulation voltage with degree of pollution 3 at AC rated value       690 V         surge voltage resistance rated value       61 kV         maximum permissible voltage for protective separation in networks with grounded star point       440 V         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         • between de according to IEC 60068-27       8g / 11 ms         type of protection according to IEC 801362-2       F         Substance Prohibitance (Date)       10/01/2009         Anthier t comparature       0         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during storage       -55 +80 °C         temperature compensation       40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3         adjustable current circuit		
power loss [W] for rated value of the current at AC in hot operating state     4.8 W       • per pole     1.6 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     440 V       • between auxiliary and auxiliary circuit     440 V       • between main and auxiliary circuit     40 V       • between main and auxiliary circuit     50 V       • between main and auxiliary circuit     50 U/litro       • between main and auxiliary circuit     50 U/litro		
operating state       1.6 W         insultation 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       440 V         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         • between according to ATEX directive 2014/34/EU       EX II (2) GD         certificate of suitability according to ATEX directive 2014/34/EU       EX II (2) GD         certificate of suitability according to ATEX directive 2014/34/EU       DN 198 ATEX G 001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2.000 m         ambient temperature       -40 +70 °C         • during operation       -40 +60 °C         relative humidity during operation       10 95 %         Main circuit       3		
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       440 V         • between auxiliary and auxiliary circuit       440 V         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         shock resistance according to IEC 60068-2-27       8g / 11 ms         type of protection according to ATEX directive 2014/34/EU       EX II (2) GD         certificate of suitability according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       100/1/2009         Ambient conditions       -40 +70 °C         • during storage       -55 +80 °C         • during transport		4.8 W
surge voltage resistance rated value       6 kV         maximum permissible voltage for protective separation in networks with grounded star point       440 V         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         • between auxiliary circuit       440 V         shock resistance according to IEC 6068-2-27       Bg / 11 ms         type of protection according to ATEX directive 2014/34/EU       DNT 98 ATEX G 001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       100/1/2009         Ambient conditions       2 000 m         installation altitude at height abo	• per pole	1.6 W
maximum permissible voltage for protective separation in networks with grounded star point       440 V         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       40 V         • for protection according to FEX directive 2014/34/EU       EX II (2) GD         certificate of suitability according to FEX directive 2014/34/EU       EX II (2) GD         installation afitude at height above sea level maximum <th>insulation voltage with degree of pollution 3 at AC rated value</th> <th>690 V</th>	insulation voltage with degree of pollution 3 at AC rated value	690 V
networks with grounded star point     440 V       • between auxiliary and auxiliary circuit     440 V       • between main and auxiliary circuit     440 V       • between according to ATEX directive 2014/34/EU     Ex II (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     DMT 98 ATEX G 001       reference code according to IEC 81346-2     F       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     2 000 m       ambient temperature     -       • during portation     -40 +70 °C       • during transport     -55 +80 °C       • during transport     -55 +80 °C       • during transport     0 +60 °C       relative humidity during operation     10	surge voltage resistance rated value	6 kV
• between auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         shock resistance according to IEC 60068-2-27       8g /11 ms         type of protection according to ATEX directive 2014/34/EU       Ex II (2) GD         certificate of suitability according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       10/01/2009         ambient temperature       -         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +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-       0.7 1 A         operating voltage       690 V         • at AC-3e rated value       690 V         • at AC-3e rated value       690 V         operating frequency rated value		
<ul> <li>between main and auxiliary circuit</li> <li>between main and auxiliary circuit</li> <li>between main and auxiliary circuit</li> <li>440 V</li> <li>shock resistance according to IEC 60068-2-27</li> <li>8g / 11 ms</li> <li>type of protection according to ATEX directive 2014/34/EU</li> <li>Ex II (2) GD</li> <li>certificate of suitability according to ATEX directive 2014/34/EU</li> <li>F</li> <li>Substance Prohibitance (Date)</li> <li>10/01/2009</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>2 000 m</li> <li>ambient temperature</li> <li>during operation</li> <li>40 +70 °C</li> <li>during storage</li> <li>-55 +80 °C</li> <li>temperature compensation</li> <li>40 +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-</li> <li>dependent overload release</li> <li>operating requency rated value</li> <li>690 V</li> <li>at AC-3e rated value maximum</li> <li>690 V</li> <li>operating frequency rated value</li> <li>50 60 Hz</li> <li>operational current rated value</li> <li>1 A</li> </ul>	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	440 V
• between main and auxiliary circuit     440 V       shock resistance according to IEC 60068-2-27     8g / 11 ms       type of protection according to ATEX directive 2014/34/EU     Ex II (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     DMT 98 ATEX G 001       reference code according to IEC 81346-2     F       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     2 000 m       ambient temperature     -       • during operation     -40 +70 °C       • during storage     -55 +80 °C       • during transport     -55 +80 °C       • during transport     -55 +80 °C       • during transport     -55 +80 °C       • during operation     -40 +70 °C       • during transport     -55 +80 °C       • during transport     0	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	440 V
shock resistance according to IEC 60068-2-27     8g / 11 ms       type of protection according to ATEX directive 2014/34/EU     Ex II (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     DMT 98 ATEX G 001       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       • during operation     -40 +70 °C       • during storage     -55 +80 °C       • during transport     -55 +80 °C       • during operation     -40 +60 °C       relative humidity during operation     -40 +60 °C       relative humidity during operation     -40 +60 °C       relative humidity during operation     0.7 1 A       digustable current response value current of the current-     0.7 1 A       operating rolage     690 V       • at AC-3e rated value     690 V       • at AC-3e rated value     690 V       • at AC-3e rated value     50 60 Hz       operating frequency rated value     50 60 Hz	<ul> <li>between main and auxiliary circuit</li> </ul>	440 V
type of protection according to ATEX directive 2014/34/EU       Ex II (2) GD         certificate of suitability according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         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       -40 +70 °C         • during operation       -40 +70 °C         • during transport       -55 +80 °C         temperature compensation       -40 +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         operating voltage       690 V         • at AC-3e rated value       690 V         • at AC-3e rated value       50 60 Hz         operating frequency rated value       50 60 Hz         operational current rated value       1 A	<ul> <li>between main and auxiliary circuit</li> </ul>	440 V
certificate of suitability according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         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       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +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       0.7 1 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1 A	shock resistance according to IEC 60068-2-27	8g / 11 ms
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       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +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       0.7 1 A         operating voltage       690 V         • at AC-3e rated value       690 V         • at AC-3e rated value       50 60 Hz         operating frequency rated value       50 60 Hz         operating frequency rated value       1 A	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +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-       0.7 1 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating requency rated value       1A	certificate of suitability according to ATEX directive 2014/34/EU	DMT 98 ATEX G 001
Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +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-       0.7 1 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating requency rated value       1 A	reference code according to IEC 81346-2	F
installation altitude at height above sea level maximum       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +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       0.7 1 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating frequency rated value       10 A	Substance Prohibitance (Date)	10/01/2009
ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         temperature compensation       -40 +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       0.7 1 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operating frequency rated value       1 A	Ambient conditions	
• during operation-40 +70 °C• during storage-55 +80 °C• during transport-55 +80 °C• temperature compensation-40 +60 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release0.7 1 Aoperating voltage690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hzoperating rated value1 A	installation altitude at height above sea level maximum	2 000 m
• during storage-55 +80 °C• during transport-55 +80 °Ctemperature compensation-40 +60 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release0.7 1 Aoperating voltage690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hzoperating requency rated value10 A	ambient temperature	
• during transport       -55 +80 °C         temperature compensation       -40 +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       0.7 1 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       10 40 Hz	during operation	-40 +70 °C
temperature compensation       -40 +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       0.7 1 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1 A	during storage	-55 +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       0.7 1 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1 A	during transport	-55 +80 °C
Main circuit       3         number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       0.7 1 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1 A	temperature compensation	-40 +60 °C
number of poles for main current circuit       3         adjustable current response value current of the current- dependent overload release       0.7 1 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1 A	relative humidity during operation	10 95 %
adjustable current response value current of the current-       0.7 1 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1 A	Main circuit	
dependent overload release     and the second	number of poles for main current circuit	3
• rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1 A		0.7 1 A
● at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1 A	operating voltage	
operating frequency rated value     50 60 Hz       operational current rated value     1 A	rated value	690 V
operational current rated value 1 A	• at AC-3e rated value maximum	690 V
	operating frequency rated value	50 60 Hz
operational current at AC-3e at 400 V rated value 1 A	operational current rated value	1 A
	operational current at AC-3e at 400 V rated value	1 A
operating power	operating power	

-+ 40.0			
• at AC-3	0.051111		
— at 400 V rated value	0.25 kW		
— at 500 V rated value	0.37 kW		
— at 690 V rated value	0.55 kW		
• at AC-3e			
— at 400 V rated value	0.25 kW		
— at 500 V rated value	0.37 kW		
— at 690 V rated value	0.55 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	3 A		
● at 110 V	3 A		
• at 120 V	3 A		
• at 125 V	3 A		
• at 230 V	2 A		
• at 400 V	1A		
• at 690 V	0.75 A		
operational current of auxiliary contacts at DC-13			
• at 24 V	2 A		
• at 60 V	0.3 A		
• at 110 V	0.22 A		
• at 125 V	0.22 A		
• at 220 V	0.12 A		
contact rating of auxiliary contacts according to UL	B600 / R300		
	B000 / K300		
Protoctive and monitoring functions			
Protective and monitoring functions			
trip class	CLASS 10		
trip class design of the overload release	CLASS 10 thermal		
trip class design of the overload release UL/CSA ratings			
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	thermal 1 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	thermal		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection	thermal 1 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link	thermal 1 A 1 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required	thermal 1 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link	thermal 1 A 1 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required	thermal 1 A 1 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	thermal 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	thermal 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method	thermal 1 A 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height	thermal 1 A 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width	thermal 1 A 1 A 1 A 1 A 4 A 4 A 45 mm 45 m		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method height width depth	thermal 1 A 1 A 1 A 1 A 4 A 4 A 45 mm 45 m		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • 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	thermal 1 A 1 A 1 A 1 A A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm		
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection design of the fuse link • 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	thermal 1 A 1 A 1 A 1 A A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection             <ul> <li>for main current circuit</li> </ul> </li> </ul></li>	thermal 1 A 1 A 1 A 1 A 4 A A A A A A A A A A A A A A A A A A		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection</li> </ul> </li>	thermal 1 A 1 A 1 A 1 A 4 A A A A A A A A A A A A A A A A A A		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection                 <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> </li> </ul></li>	thermal 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>design of the fuse link</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection                 <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> </li> </ul> </li>	thermal 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection</li> <li>design of the fuse link         <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection             <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> </ul> </li> </ul></li>	thermal 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> short-circuit protection         design of the fuse link         of or 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         of or main current circuit         of or auxiliary and control circuit         arrangement of electrical connectors for main current circuit         upper of connectable conductor cross-sections         of or main contacts         - solid or stranded	thermal          1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         fuse gG: 6 A, quick: 10 A         any         Contactor mounting         76 mm         45 mm         70 mm         No         screw-type terminals         screw-type terminals         Top and bottom         2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection</li> <li>design of the fuse link         <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection             <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts</li> </ul> </li> </ul></li>	thermal         1 A         1 A         1 A         1 A         1 A         fuse gG: 6 A, quick: 10 A         any         Contactor mounting         76 mm         45 mm         70 mm         No         screw-type terminals         screw-type terminals         Top and bottom         2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         2x (0,5 1.5 mm²), 2x (0,75 2,5 mm²)		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> <li>Short-circuit protection</li> <li>design of the fuse link         <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>Connections/ Terminals         <ul> <li>product component removable terminal for auxiliary and control circuit</li> <li>type of electrical connection             <ul> <li>for auxiliary and control circuit</li> <li>for auxiliary and control circuit</li> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections</li> <li>for main contacts                 <ul> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> <li>for AWG cables for main contacts</li> </ul> <li>for AWG cables for main contacts</li> </li></ul> </li> </ul></li>	thermal          1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         1 A         any         Contactor mounting         76 mm         45 mm         70 mm         No         screw-type terminals         screw-type terminals         Top and bottom         2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²		
trip class         design of the overload release         UL/CSA ratings         full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> </ul> short-circuit protection         design of the fuse link <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> 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         ofor auxiliary and control circuit         arrangement of electrical connectors for main current circuit         type of connectable conductor cross-sections         of romain contacts         — solid or stranded         — finely stranded with core end processing	thermal         1 A         1 A         1 A         1 A         1 A         fuse gG: 6 A, quick: 10 A         any         Contactor mounting         76 mm         45 mm         70 mm         No         screw-type terminals         screw-type terminals         Top and bottom         2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²         2x (0,5 1.5 mm²), 2x (0,75 2,5 mm²)		

— finely strar	<ul> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> </ul>		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)			
for AWG cables for auxiliary contacts		2x (20 16), 2x (18 14)				
tightening torque						
<ul> <li>for main contacts with screw-type terminals</li> </ul>			0.8 1.2 N·m			
· · · · ·	tacts with screw-type termin	nals		0.8 1.2 N·m		
design of screwdrive	design of screwdriver shaft			Diameter 5 6 mm		
size of the screwdriver tip			Pozidriv PZ 2			
design of the thread of the connection screw						
<ul> <li>for main contact</li> </ul>	for main contacts			M3		
<ul> <li>of the auxiliary a</li> </ul>	<ul> <li>of the auxiliary and control contacts</li> </ul>			M3		
Safety related data						
failure rate [FIT] with lo	w demand rate according t	o SN 31920	50 FIT			
MTTF with high dema	and rate		2 280 a			
T1 value for proof test 61508	interval or service life accor	rding to IEC	20 a			
protection class IP or	n the front according to IE	EC 60529	IP20			
-	he front according to IEC		finger-safe, for vertical contact	t from the front		
Display						
display version for swit	tching status		Slide switch			
Certificates/ approvals	•					
				For use in hazardous	locationa	
General Product App	Jrovai			For use in nazardous	locations	
	<u>Confirmation</u>	(ال س	EHC	IECEx	ATEX	
Declaration of Confo	ormity	Test Certificat	es	Marine / Shipping		
CE EG-Konf.	UK CA	<u>Type Test Cer</u> ates/Test Re		ABS	BUREAU VERITAS	
Marine / Shipping					other	
	Lloyd's Register uis	PRS	RINA	RMRS	<u>Confirmation</u>	
other	Railway					
UDE VDE	<u>Vibration and Shock</u>					
Further information						
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business						
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). 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 https://mall.industry.sie Cax online generator	ordering system) emens.com/mall/en/en/Cata					
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2116-0JB0						

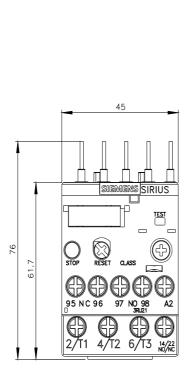
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

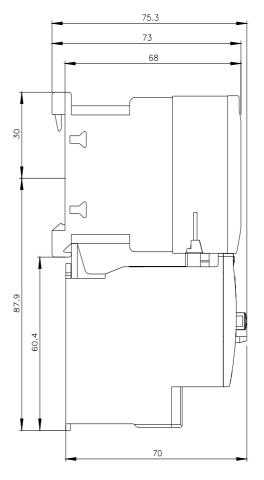
https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0JB0

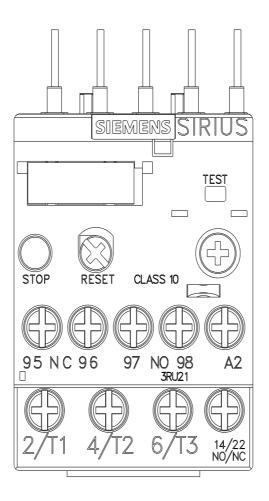
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RU2116-0JB0&lang=en

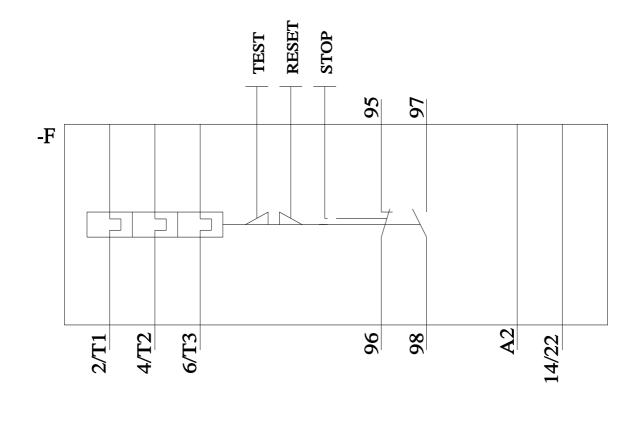
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0JB0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-0JB0&objecttype=14&gridview=view1









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