## SIEMENS

## Data sheet

## 3RU2116-0KB0



Overload relay 0.90...1.25 A Thermal For motor protection Size S00, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name         SIRUS           product brand name         SIRUS           general tochnical data         study           size of contactor can be combined company-specific         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         5.7 W           • per pole         1.9 W           insulation voltage resistance rated value         64.V           maximum permissible voltage for protective separation in relevorks wiff grounded star point         440 V           • between auxilary and auxiliary circuit         440 V           • between main and auxiliary circuit         440 V           • between auxil aux and auxiliary circuit         440 V           • between auxil aux and auxiliary circuit         440 V           • between auxil aux and auxiliary circuit         400 V           • between auxil aux and auxiliary circu	and that have down	
product type designation         3RU2           General technical data	•	
General technical data         Solo           size of overtoad relay         SOO           size of contactor can be combined company-specific         SoO           power loss [W] for rated value of the current at AC in hot operating state         5.7 W           insulation voltage with degree of pollution 3 at AC rated value         690 V           surge voltage resistance rated value         690 V           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 and uxiliary circuit         400 V           • between auxiliary and uxiliary circuit         40 V		
size of contactor can be combined company-specific         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         5.7 W           • per pole         1.9 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 grounded star point         440 V           • between main and auxiliary circuit         400 V           • between main and auxiliary circuit         400 V           • between diamed auxiliary circuit         50 Vitage <tr< th=""><th></th><th>3RU2</th></tr<>		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         5.7 W           • per pole         1.9 W           Insulation voltage with degree of pollution 3 at AC rated value         690 V           surge ovltage resistance rated value         64V           maximum pernissible 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           • between auxiliary and uxiliary circuit         440 V           • between auxiliary and auxiliary circuit         440 V           • between auxiliary and auxiliary circuit         440 V           • between main and auxiliary circuit         440 V           • between auxiliary and auxiliary circuit         440 V           • stack caccording to IEC 81346-2         F		
power loss [W] for rated value of the current at AC in hot operating state         5.7 W           • per pole         1.9 W           insulation voltage with degree of pollution 3 at AC rated value         690 V           surge voltage resistance rated value         690 V           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           • Boto Tec Forbibitance (Date)         1001/2009           Ambient conditions         installaton alitude at height above sea level maximum <th></th> <th></th>		
operating sizie         1.9 W           insultation 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 auxiliary and auxiliary circuit         440 V           • between main and auxiliary circuit         54/11 ms           • durity according to ATEX directive 2014/34/EU         EX II (2) GD           • attification attitude at height above sea level maximum         2000 m		S00
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     58g / 11 ms       • type of protection according to ATEX directive 2014/34/EU     Ex II (2) CD       • certificate of suitability according to ATEX directive 2014/34/EU     Ex II (2) CD       • during operation     100/1/2009       • during operation     40 +70 °C       • during transport     -55 +80		5.7 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 arcuit         440 V           • between auxiliary circuit         58 / 11 ms           • type of protection according to ATEX directive 2014/34/EU         DMT 98 ATEX G 001           reference da according to IEC 81346-2         F           Substance Prohibitance (Date)         100/1/2009           Anbient conditions         2 000 m           installaltio	• per pole	1.9 W
maximum permissible voltage for protective separation in         networks with grounded star point         • between auxiliary and auxiliary circuit       440 V         • between main and auxiliary circuit       440 V         • between contrained to a the protection 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       DMT 98 ATEX G 001         reference code according to IEC 6068-2-27       F         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient tomporature       -40 +70 °C         • during transport       -55 +80 °C         • during transport       -55 +80 °C         relative humidity during operation       10 95 %         Main circuit </th <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         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         EX II (2) GD           certificate of suitability according to ATEX directive 2014/34/EU         EX II (2) GD           reference cde according to IEC 81346-2         F           Substance Prohibitance (Date)         10/01/2009           Ambient temperature         -           • during operation         -40 +70 °C           • during transport         -55 +80 °C           temperature compensation         -40 +60 °C           relate humidity during operation         10 95 %           Main circuit         3           adjustable	surge voltage resistance rated value	6 kV
• between auxiliary and auxiliary circuit440 V• between main and auxiliary circuit500• dire of protection according to ATEX directive 2014/34/EUEX II (2) GD• certificate of suitability according to ATEX directive 2014/34/EUDMT 98 ATEX G 001• direference code according to IEC 81346-2F• Substance Prohibitance (Date)000 m• ambient conditions2 000 m• installation altitude at height above sea level maximum2 000 m• during operation-40 +70 °C• during storage-55 +80 °C• during transport-40 +70 °C• during transport-05 %• during transport10 95 %• muber of poles for main current circuit3• aljustable current response value current of the current- dependent overload release690 V• at AC-3e rated value maximum690 V• at AC-3e rated value maximum690 V• at AC-3e rated value maximum690 V• at AC-3e rated value maximum50 60 Hz• operating frequency rated value50 60 Hz		
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• 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         DM 98 ATEX G 001           reference code according to ICE 81346-2         F           Substance Prohibitance (Date)         10/01/2009           Ambient conditions         2 000 m           ambient temperature         -40 +70 °C           • during operation         -45 +80 °C           • during transport         -55 +80 °C           temperature compensation         -40 +70 °C           • during transport         -55 +80 °C           temperature compensation         -40 +70 °C           relative humidity during operation         10 95 %           Main circuit         3           number of poles for main current circuit         3          0.9 1.25 A           operating voltage         690 V           • at AC-3e rated value maximum         690 V           • at AC-3e rated value maximum         690 V           • at AC-3e rated value         690 V           • at AC-3e rated value         690 V           • at AC-3e rated value	<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           oduring operation         -40 +70 °C           oduring storage         -55 +80 °C           oduring transport         -55 +80 °C           telative humidity during operation         -40 +60 °C           member of poles for main current circuit         3           adjustable current response value current of the current- dependent overload release         690 V           operating requency rated value         690 V         -60 °L           operating requency rated value         50 60 Hz         -600 V           operational current at AC-3e at 400 V rated value         50 60 Hz         -600 V	<ul> <li>between main and auxiliary circuit</li> </ul>	440 V
type of protection according to ATEX directive 2014/34/EUEx II (2) GDcertificate of suitability according to ATEX directive 2014/34/EUDMT 98 ATEX G 001reference code according to IEC 81346-2FSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 mambient temperature-40 +70 °C• during operation-40 +70 °C• during storage-55 +80 °C• during transport-55 +80 °Crelative humidity during operation10 95 %Main circuit3number of poles for main current circuit3adjustable current response value current of the current- dependent overload release0.9 1.25 Aoperating rated value690 V• at AC-3e rated value690 V• at AC-3e rated value50 60 Hzoperational current rated value1.25 Aoperational current at AC-3e at 400 V rated value1.25 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       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       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     1.25 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         ambient temperature       - 40 +70 °C         • during operation       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C         • during operation       -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       0.9 1.25 A         operating voltage       690 V         • at AC-3e rated value       690 V         • operating frequency rated value       50 60 Hz         operational current at AC-3e at 400 V rated value       1.25 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         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       0.9 1.25 A         operating voltage       690 V         • at AC-3e rated value       690 V         • at AC-3e rated value       50 60 Hz         operational current rated value       1.25 A	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-       0.9 1.25 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1.25 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       0.9 1.25 A         operating voltage       -         • rated value       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       1.25 A	Substance Prohibitance (Date)	10/01/2009
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• during storage-55 +80 °C• during transport-55 +80 °C• temperature compensation-40 +60 °Crelative humidity during operation10 95 %Main circuit09 1.95 %number of poles for main current circuit3adjustable current response value current of the current- dependent overload release0.9 1.25 Aoperating voltage690 V• rated value690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hzoperational current rated value1.25 A	ambient temperature	
• 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 release0.9 1.25 Aoperating voltage • rated value • at AC-3e rated value maximum690 Voperating frequency rated value operational current rated value50 60 Hzoperational current at AC-3e at 400 V rated value1.25 A	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       0.9 1.25 A         operating voltage <ul> <li>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>1.25 A</li> </ul>	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       0.9 1.25 A         operating voltage <ul> <li>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>1.25 A</li> </ul>	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       0.9 1.25 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       1.25 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       0.9 1.25 A         operating voltage <ul> <li>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>1.25 A</li> </ul>	relative humidity during operation	10 95 %
adjustable current response value current of the current-       0.9 1.25 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       1.25 A	Main circuit	
dependent overload release       Image: Comparing voltage         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       1.25 A         operational current at AC-3e at 400 V rated value       1.25 A	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     1.25 A       operational current at AC-3e at 400 V rated value     1.25 A	•	0.9 1.25 A
• at AC-3e rated value maximum       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 voltage	
operating frequency rated value50 60 Hzoperational current rated value1.25 Aoperational current at AC-3e at 400 V rated value1.25 A	rated value	690 V
operational current rated value     1.25 A       operational current at AC-3e at 400 V rated value     1.25 A	<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current at AC-3e at 400 V rated value 1.25 A	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	operating power	

• at AC-3	0.07.111/			
— at 400 V rated value	0.37 kW			
— at 500 V rated value	0.55 kW			
— at 690 V rated value	0.75 kW			
• at AC-3e				
— at 400 V rated value	0.37 kW			
— at 500 V rated value	0.55 kW			
— at 690 V rated value	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	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	1 A			
• 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	0.11 A			
contact rating of auxiliary contacts according to UL	B600 / R300			
	500071000			
Protective and monitoring functions				
Protective and monitoring functions	CLASS 10			
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 1.25 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 1.25 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 1.25 A 1.25 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 1.25 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 1.25 A 1.25 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 1.25 A 1.25 A 1.25 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 1.25 A 1.25 A 1.25 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 1.25 A 1.25 A 1.25 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 1.25 A 1.25 A 1.25 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 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	thermal 1.25 A 1.25 A 1.25 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 1.25 A 1.25 A 1.25 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 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	thermal 1.25 A 1.25 A 1.25 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 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	thermal 1.25 A 1.25 A 1.25 A 1.25 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 1.25 A 1.25 A 1.25 A 1.25 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> </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 1.25 A 1.25 A 1.25 A 1.25 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No			
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 1.25 A 1.25 A 1.25 A 1.25 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No No screw-type terminals			
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 1.25 A 1.25 A 1.25 A 1.25 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No Screw-type terminals screw-type terminals			
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 1.25 A 1.25 A 1.25 A 1.25 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No Screw-type terminals screw-type terminals			
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</li></ul></li>	thermal 1.25 A 1.25 A 1.25 A 1.25 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm 70 mm No Screw-type terminals screw-type terminals			
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         type of connectable conductor cross-sections         of or main contacts         - solid or stranded	thermal         1.25 A         1.25 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         1.25 A         1.25 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> </ul> </li> </ul></li>	thermal         1.25 A         1.25 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> 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         e for auxiliary and control circuit         arrangement of electrical connectors for main current circuit         type of connectable conductor cross-sections         e for main contacts         — solid or stranded         — finely stranded with core end processing	thermal         1.25 A         1.25 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)			

	ded with core end process	ing	2x (0.5 1.5 mm <sup>2</sup> ), 2 2x (0.5 1.5 mm <sup>2</sup> ), 2 2x (20 16) 2x (18	2x (0.75 2		
tightening torque • for main contact	for auxiliary contacts s with screw-type terminals tacts with screw-type termin		2x (20 16), 2x (18 0.8 1.2 N·m 0.8 1.2 N·m	14)		
design of screwdrive	Diameter 5 6 mm	Diameter 5 6 mm				
size of the screwdrive	Pozidriv PZ 2					
design of the thread	of the connection screw					
<ul> <li>for main contact</li> </ul>	s		M3			
<ul> <li>of the auxiliary a</li> </ul>	ind control contacts		M3			
Safety related data						
failure rate [FIT] with lo	w demand rate according	to SN 31920	50 FIT			
MTTF with high dema	and rate		2 280 a			
T1 value for proof test 61508	interval or service life acco	rding to IEC	20 a			
protection class IP or	n the front according to I	EC 60529	IP20			
	he front according to IEC	60529	finger-safe, for vertica	al contact fro	om the front	
Display						
display version for swit	ching status		Slide switch			
Certificates/ approvals						
General Product App	proval				For use in hazardous	locations
CCC	<u>Confirmation</u>	(ال س	EA	[	IECEx	KEX ATEX
Declaration of Confo	rmity	Test Certificate	es		Marine / Shipping	
CE EG-Konf.	UK CA	<u>Special Test Ce</u> <u>ate</u>	ertific- <u>Type Test C</u> <u>ates/Test R</u>		ABS	
Marine / Shipping						other
	Lloyd's Register uis	PRS	RINA	0	KMRS RAME	<u>Confirmation</u>
other	Railway					
	Vibration and Shock					
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,)						
<u>https://www.siemens.c</u> Industry Mall (Online	om/ic10 ordering system)					
Cax online generator	mens.com/mall/en/en/Cata	•••		<u>116-0KB0</u>		

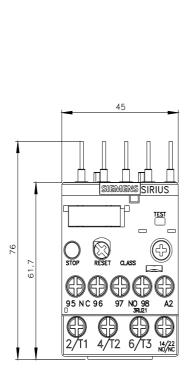
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

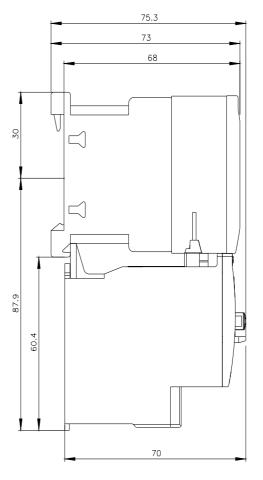
https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0KB0

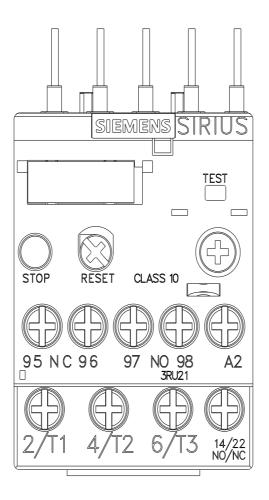
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RU2116-0KB0&lang=en

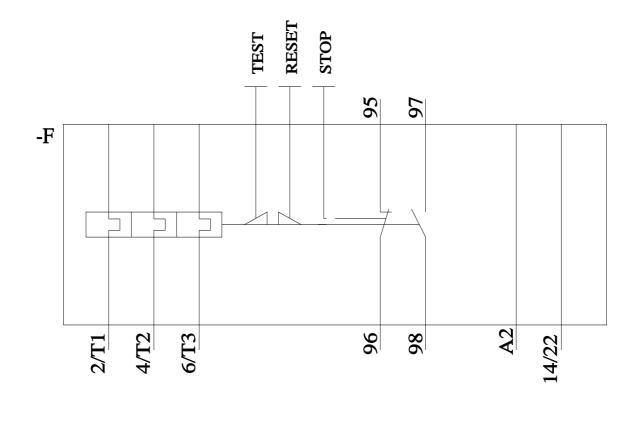
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0KB0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2116-0KB0&objecttype=14&gridview=view1









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3/8/2022 🖸