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 type designation product type designation 3RU2 General technical data size of overload relay size of contactor can be combined company-specific power loss [W] for rated value of the current at AC in hot operating state • per pole insulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value finsulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value finsulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 3 at AC rated value finsulation voltage with degree of pollution 4 at AC with with degree of pollution 5 at AC with with degree of pollution 6 at AC with with with degree of pollution 6 at AC with with wit
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maximum permissible voltage for protective separation in networks with grounded star point • between auxiliary and auxiliary circuit • between auxiliary and auxiliary circuit • 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 pMT 98 ATEX G 001 reference code according to IEC 81346-2 F Substance Prohibitance (Date) Ambient conditions
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between auxiliary and auxiliary circuit between main and auxiliary circuit shock resistance according to IEC 60068-2-27 8g / 11 ms type of protection according to ATEX directive 2014/34/EU certificate of suitability according to ATEX directive 2014/34/EU DMT 98 ATEX G 001 reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions
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reference code according to IEC 81346-2 F Substance Prohibitance (Date) 10/01/2009 Ambient conditions
Substance Prohibitance (Date) Ambient conditions
Ambient conditions
installation altitude at height above sea level maximum 2 000 m
ambient temperature
• 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
number of poles for main current circuit 3
adjustable current response value current of the current- dependent overload release
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 A
operational current at AC-3e at 400 V rated value 1 A
operating power

• at AC-3	
— 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	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
,	
Protective and monitoring functions	
Protective and monitoring functions trip class	CLASS 10
trip class	CLASS 10 thermal
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	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 • 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	thermal 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 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	thermal 1 A 1 A 1 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	thermal 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	thermal 1 A 1 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	thermal 1 A 1 A 1 A fuse gG: 6 A, quick: 10 A any Contactor mounting 76 mm 45 mm
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trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal 1 A 1 A 1 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	thermal 1 A 1 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	thermal 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
trip class design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor	thermal 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
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 type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	thermal 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
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 type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded	thermal 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	thermal 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)
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2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
2x (20 16), 2x (18 14)	
0.8 1.2 N·m	
0.8 1.2 N·m	
Diameter 5 6 mm	
Pozidriv PZ 2	
M3	
M3	
50 FIT	
2 280 a	
20 a	
IP20	
finger-safe, for vertical contact from the front	
Display	
Slide switch	
Certificates/ approvals	

((C)

Confirmation







For use in hazardous locations



Declaration of Conformity

General Product Approval

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certificate





Marine / Shipping





LRS







Confirmation

other

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,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RU2116-0JB0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2116-0JB0

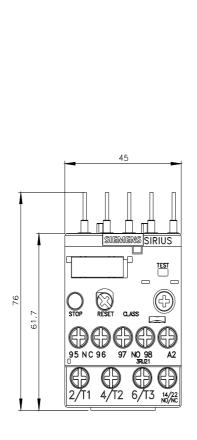
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

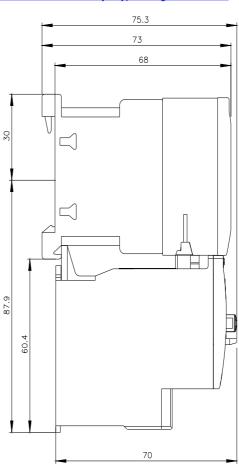
https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0JB0

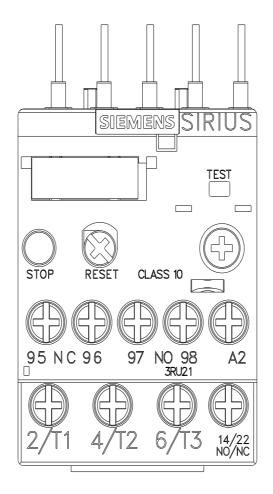
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RU2116-0JB0&lang=en

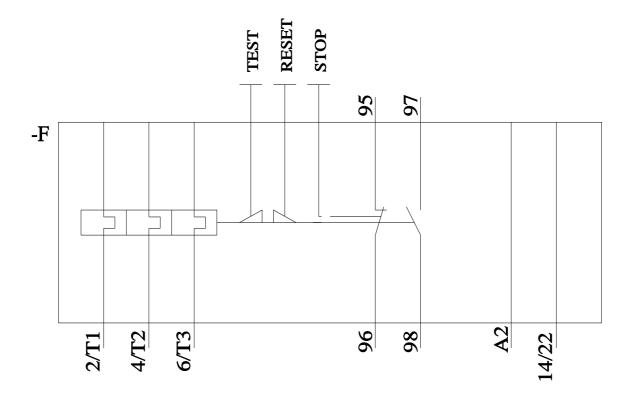
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RU2116-0JB0/char

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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