## **SIEMENS**

Data sheet 3RU2136-4ED0



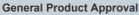
Overload relay 22...32 A Thermal For motor protection Size S2, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: spring-type terminal Manual-Automatic-Reset

product brand name	SIRIUS
product designation	thermal overload relay
product type designation	3RU2
General technical data	
size of overload relay	S2
size of contactor can be combined company-specific	S2
power loss [W] for rated value of the current at AC in hot operating state	13.8 W
• per pole	4.6 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 safe isolation in networks with grounded star point	
<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	415 V
<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	415 V
<ul> <li>between main and auxiliary circuit</li> </ul>	690 V
between main and auxiliary circuit	690 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)	10/15/2014
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul><li>during operation</li></ul>	-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	22 32 A
operating voltage	
rated value	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz

operational current of ArC-Se at 4,00V rated value operating power * at AC-S	an austion of a sum out to-desire	20. A
operation power  at ACO V rated value — at 500 V rated value — at 980 V rated value — at 980 V rated value — at 980 V rated value — at 990 V rated value — at 100 V — at 110 V — at 120	operational current rated value	32 A
and AC3  and 4 40 0 V rated value at 500 V rated value at 100 V at 120 V at 120 V at 120 V at 100 V at 110 V	· ·	32 A
at 500 V relet value		15 1/1/
- at 690 V rated value   • at AC-3e   - at 400 V rated value   - at 590 V rated value   - at 590 V rated value   - at 590 V rated value   - at 690		
e at AC-3e  — at 400 V rated value — at 500 V rated value  Auxiliary circuit  design of the auxiliary switch number of NC contacts for auxiliary contacts • note •		
		30 KVV
		451111
Auxiliary circuit  design of the auxiliary switch number of NC contacts for auxiliary contacts • note  number of NO contacts for auxiliary contacts • note  number of NO contacts for auxiliary contacts • note  number of OO contacts for auxiliary contacts • note  operational current of auxiliary contacts at AC-15 • al 24 V • all 110 V • at 120 V • at 120 V • at 120 V • at 130 V • at 140 V • at 150 V • at 150 V • at 110 V • at 125 V • at 26 V • at 110 V • at 125 V • at 27 V • at 110 V • at 125 V • at 28 V • at 100 V • at 110 V • at 125 V • at 28 V • at 29 V • at 100 V • at 110 V • at 28 V • at 29 V • at 20 V • at 110 V • at 28 V • at 20 V • at 110 V • at 28 V • at 20 V • at 110 V • at 28 V • at 20 V • at 110 V • at 28 V • at 20 V • at 110 V • at 28 V • at 20 V • at 110 V • at 28 V • at 20 V • at 30		
Auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts • note number of NC contacts for auxiliary contacts • note number of NC contacts for auxiliary contacts • note number of CO contacts for auxiliary contacts • note operational current of auxiliary contacts at AC-15 • at 24 V • at 110 V • at 120 V • at 125 V • at 230 V • at 420 V • at 110 V • at 24 V • at 110 V • at 24 V • at 110 V • at 24 V • at 110 V • at 220 V • at 220 V • at 220 V • at 10 V • at 125 V • at 125 V • at 125 V • at 25 V • at 10 V • at 110 V • at 125 V • at 10 V • at 110 V • at 125 V • at 10 V • at 110 V • at 125 V • at 10 V • at 110 V • at 125 V • at 125 V • at 10 V • at 110 V • at 125 V • at 126 V • at 127 V • at 105 V • at 126 V • at 127 V • at 105 V • at 126 V • at 127 V • at 105 V • at 126 V • at 127 V • at 105 V • at 126 V • at 127 V • at 105 V • at 126 V • at 127 V • at 105 V • at 126 V • at 127 V • at 105 V • at 126 V • at 127 V • at 105 V • at 126 V • at 127 V • at 105 V • at 126 V • at 105 V		
design of the auxiliary switch number of NC contacts for auxillary contacts		30 KW
number of NC contacts for auxiliary contacts   for contactor disconnection		
e note number of NO contacts for auxiliary contacts e note for message "Tripped"  number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15 e at 24 V e at 110 V 3 A at 120 V at 120 V 3 A at 230 V e at 125 V 2 A at 80 V operational current of auxiliary contacts at DC-13 e at 24 V e at 00 V operational current of auxiliary contacts at DC-13 e at 25 V e at 25 V e at 25 V e at 25 V e at 26 V e at 10 V operational current of auxiliary contacts at DC-13 e at 25 V e at 125 V e at 1		
number of NO contacts for auxillary contacts  • note  note  number of CO contacts for auxillary contacts  operational current of auxillary contacts at AC-15  • at 24 V  • at 120 V  • at 125 V  • at 230 V  • at 400 V  operational current of auxillary contacts at DC-13  • at 24 V  • at 60 V  • at 125 V  • at 80 V  • at 110 V  operational current of auxillary contacts at DC-13  • at 24 V  • at 60 V  • at 125 V  • at 120 V  •	_	
number of CO contacts for auxiliary contacts     operational current of auxiliary contacts at AC-15     at 24 V 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3 A 3		
number of CO contacts for auxiliary contacts at AC-15  at 24 V  at 110 V  at 120 V  at 125 V  at 230 V  cat 230 V  cat 24 V  at 60 V  operational current of auxiliary contacts at DC-13  at 24 V  at 60 V  cat 22 A  at 60 V  at 125 V  at 22 A  at 60 V  at 125 V  at 22 A  at 60 V  at 125 V  at 22 A  at 60 V  at 125 V  at 125 V  at 22 A  at 60 V  at 125 V  at 22 A  at 60 V  at 125 V  besign of the miniature circuit breaker for short-circuit protection of the auxiliary which required contact rating of auxiliary contacts according to UL  Protective and monitoring functions  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  32 A  and 0 value value  32 A  bord-circuit protection  design of the fuse link  fuse gG: 6 A, quick: 10 A  required  contactor mounting dimensions  mounting position  fastening method  Contactor mounting  helight  vidth  55 mm  depth  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  for au	-	
operational current of auxiliary contacts at AC-15		
at 124 V at 110 V at 120 V at 125 V at 125 V at 230 V at 125 V at 400 V  perational current of auxiliary contacts at DC-13 at 124 V at 60 V at 110 V at 110 V at 125 V at 120 V at 110 V at 125 V at 120 V at 120 V at 120 V at 120 V  at 1		U
at 110 V at 120 V at 120 V at 120 V at 120 V at 20 V at 400 V at 400 V at 10 V at 110 V at 110 V at 110 V at 110 V at 10 V at 10 V at 10 V at 10 V at 110 V at 110 V at 110 V at 110 V at 125 V design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact rating of auxiliary contacts according to UL protective and monitoring functions  trip class  CLASS 10  design of the overload release UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 32 A at 600 V rated value 32 A 38 A 38 A 39 A 39 A 30 A 30 A 30 A 31 A 31 A 32 A 33 A 34 A 34 A 35 A 36 A 36 CSC less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  CLASS 10  design of the overload release UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 32 A 32 A 32 A 32 A 33 A 34 A 34 A 34 A 34 A 35 A 36 CSC less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  CLASS 10  design of the overload release UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 32 A 32 A 32 A 32 A 33 A 34 A 34 A 36 A 36 CSC less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  CLASS 10  design of the overload release UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value 32 A 32 A 32 A 32 A 33 A 34 A 36 CSC less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  CLASS 10  GASC less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  CLASS 10  GASC less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  CLASS 10  B600 / R300  CLASS 10  GASC less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  Flow less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  Flow less than equal to 0.5 kA; U less than equal to 260V)  B600 / R300  Flow less than equal to 260V  B600 / R300  Flow less than equal to 260V  B600 / R300  Flow less than equal to 260V  B600 / R300  Flow less than equal t		
e at 120 V e at 125 V e at 125 V e at 230 V e at 400 V  operational current of auxiliary contacts at DC-13 e at 60 V e at 160 V e at 110 V e at 110 V e at 125 V e at 120 V e at		
at 125 V at 230 V 2 A at 240 V 2 A operational current of auxiliary contacts at DC-13 at 24 V 2 A at 60 V 3 A at 110 V 2 A 2 A 3 A 3 A 3 A 3 A 4 2 A 4 C 4 A 4 C 4 A 5 C 5 C 5 C 5 C 5 C 5 C 5 C 6 A 5 C 6 A 6 C 6 C 6 A 6 C 6 C 6 C 6 A 6 C 6 C 6 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7 C 7		
at 230 V at 400 V 1 A  operational current of auxiliary contacts at DC-13  at 24 V at 60 V 3 A at 110 V 0.22 A at 125 V at 125 V 0.22 A  at 125 V 6 Session of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact rating of auxiliary contacts according to UL  Protective and monitoring functions  trip class design of the overload release UL/GSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value at 480 V rated value 32 A Short-circuit protection design of the fuse link for short-circuit protection of the auxiliary switch required  auxiliary auxiliary switch required  for 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 auxiliary and control circuit for auxiliary and control circuit spring-loaded terminals  Top and bottom		
oparational current of auxiliary contacts at DC-13  at 24 V  at 60 V  at 110 V  best 125 V  at 220 V  at 1220 V  contact rating of the miniature circuit breaker for short-circuit protection of the auxiliary switch required  contact rating of auxiliary contacts according to UL  Protective and monitoring functions  trip class  CLASS 10  design of the overload release  UL/GSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  32 A  Short-circuit protection  design of the fuse link  for short-circuit protection of the auxiliary switch required  at 800 V rated value  32 A  Short-circuit protection  fastening method  Contactor mounting / dimensions  mounting position  fastening method  Contactor mounting  Midth  55 mm  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  arrangement of electrical connectors for main curren		
operational current of auxillary contacts at DC-13  • at 22 V  • at 60 V  • at 110 V  • at 1125 V  • at 220 V  design of the miniature circuit breaker for short-circuit protection of the auxillary switch required  contact rating of auxillary contacts according to UL  Protective and monitoring functions  trip class  class (CLASS 10  design of the overload release (DL/CSA ratings)  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value (32 A)  short-circuit protection  design of the fuse link  • for short-circuit protection of the auxillary switch required  Installation/ mounting/ dimensions  mounting position  fastening method  hoight (90 mm)  width (55 mm)  depth (105 mm)  Connections/ Terminals  product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component circuit  **product component removable terminal for auxilliary and control circuit  **product component removable terminal for auxilliary and control circuit  **product component circuit  **product component removable terminal for auxilliary and control circuit  **product component ci		
at 24 V at 60 V b at 110 V cat 110 V cat 125 V cat 125 V cat 125 V contact rating of auxiliary switch required contact rating of auxiliary contacts according to UL  Protective and monitoring functions 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 32 A 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 for namin current removable terminal for auxiliary and control circuit for main current circuit for main current circuit for main current circuit for main current circuit for auxiliary and control circuit for pain dottom  arrangement of electrical connectors for main current for auxiliary and control circuit arrangement of electrical connectors for main current for auxiliary and control circuit for auxiliary and control circuit arrangement of electrical connectors for main current for auxiliary and control circuit arrangement of electrical connectors for main current for auxiliary and control circuit arrangement of electrical connectors for main current for auxiliary and control circuit arrangement of electrical connectors for main current for auxiliary and control circuit arrangement of electrical connectors for main current for auxiliary and control circuit for auxiliary auxiliary and control circuit for au		1 A
at 10 V at 110 V at 125 V at 1220 V  test 220 V  test		
at 110 V at 125 V at 220 V design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact rating of auxiliary contacts according to UL Protective and monitoring functions  trip class CLASS 10 design of the overload release UL/GSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 32 A Short-circuit protection  design of the fuse link of or short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position any fastening method Contactor mounting height width depth Connections/ Terminals  product component removable terminal for auxiliary and control circuit of or auxiliary and control circuit arrangement of electrical connectors for main current circuit arrangem	• at 24 V	
at 125 V at 220 V at 220 V design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact rating of auxiliary contacts according to UL Protective and monitoring functions  trip class CLASS 10 design of the overload release UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 32 A Short-circuit protection  design of the fuse link fuse gG: 6 A, quick: 10 A  strength mounting/ dimensions  mounting position fastening method height 90 mm depth Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection  for auxiliary and control circuit errangement of electrical connectors for main current circuit required  at 20 V	• at 60 V	0.3 A
a ta 220 V design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact rating of auxiliary contacts according to UL  Protective and monitoring functions  trip class CLASS 10 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 at 600 V rated value befor 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 depth Dominature of electrical connection  for main current circuit for main current circuit screw-type terminals  product component removable terminal for auxiliary and control circuit for pain current circuit end are governed to the miniature of electrical connectors for main current circuit arrangement of electrical connectors for main current cir	• at 110 V	0.22 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact rating of auxiliary contacts according to UL Protective and monitoring functions  trip class CLASS 10 design of the overload release thermal  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value 32 A • at 600 V rated value 32 A  Short-circuit protection  design of the fuse link • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position any fastening method Contactor mounting height 90 mm  width 55 mm  depth 05 mm  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  Top and bottom	● at 125 V	0.22 A
protection of the auxiliary switch required contact rating of auxiliary contacts according to UL Protective and monitoring functions  trip class	• at 220 V	0.11 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 • at 600 V rated value  • for 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 90 mm  width 55 mm  depth Connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection • for auxiliary and control circuit arrangement of electrical connectors for main current circuit  Top and bottom		6A (SCC less than equal to 0.5 kA; U less than equal to 260V)
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 32 A  Short-circuit protection  design of the fuse link • for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position fastening method Contactor mounting  height 90 mm  width 55 mm  depth 75 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  Top and bottom	contact rating of auxiliary contacts according to UL	B600 / R300
design of the overload release  ULI/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value 32 A  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 90 mm width 55 mm depth 105 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for auxiliary and control circuit arrangement of electrical connectors for main current circuit  Top and bottom	Protective and monitoring functions	
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value 32 A  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 90 mm width 55 mm depth Connections/ Terminals  product component removable terminal for auxiliary and control circuit  type of electrical connection • for auxiliary and control circuit or and control circuit e for auxiliary and control circuit arrangement of electrical connectors for main current circuit  Top and bottom	trip class	CLASS 10
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  32 A  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  90 mm  width  55 mm  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  Top and bottom	design of the overload release	thermal
at 480 V rated value at 600 V rated value 32 A  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 90 mm width 55 mm depth 105 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection     for auxiliary and control circuit arrangement of electrical connectors for main current circuit  Top and bottom	UL/CSA ratings	
* 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     indepth	full-load current (FLA) for 3-phase AC motor	
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 90 mm width 55 mm depth 105 mm  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  Top and bottom	• at 480 V rated value	32 A
design of the fuse link <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> fuse gG: 6 A, quick: 10 A           Installation/ mounting/ dimensions         any           mounting position         any           fastening method         Contactor mounting           height         90 mm           width         55 mm           depth         105 mm           Connections/ Terminals         No           product component removable terminal for auxiliary and control circuit         No           type of electrical connection         screw-type terminals           for main current circuit         screw-type terminals           arrangement of electrical connectors for main current circuit         Top and bottom	<ul> <li>at 600 V rated value</li> </ul>	32 A
• for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions  mounting position fastening method height 90 mm width 55 mm depth 105 mm  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection • for auxiliary and control circuit arrangement of electrical connectors for main current circuit  arrangement of electrical connectors for main current circuit  Top and bottom	Short-circuit protection	
Installation/ mounting/ dimensions  mounting position fastening method height 90 mm width 55 mm depth 105 mm  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  Top and bottom	design of the fuse link	
mounting position fastening method height 90 mm width 55 mm depth 105 mm  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  Top and bottom		fuse gG: 6 A, quick: 10 A
mounting position fastening method height 90 mm width 55 mm depth 105 mm  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  Top and bottom	Installation/ mounting/ dimensions	
fastening method  height  90 mm  width  55 mm  depth  105 mm  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  Top and bottom		any
height  width  55 mm  depth  105 mm  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  Top and bottom		·
width 55 mm  depth 105 mm  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  Top and bottom		-
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  Top and bottom		
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  Top and bottom		
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  Top and bottom	<u> </u>	
type of electrical connection	product component removable terminal for auxiliary	No
<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>screw-type terminals</li> <li>spring-loaded terminals</li> <li>Top and bottom</li> </ul>		
• for auxiliary and control circuit  arrangement of electrical connectors for main current circuit  spring-loaded terminals  Top and bottom		screw-type terminals
arrangement of electrical connectors for main current circuit  Top and bottom		**
circuit	<u>.</u>	
type of connectable conductor cross-sections	circuit	. op and bottom
	type of connectable conductor cross-sections	

• for main contacts 2x (1 ... 35 mm<sup>2</sup>), 1x (1 ... 50 mm<sup>2</sup>) - solid or stranded - finely stranded with core end processing 2x (1 ... 25 mm²), 1x (1 ... 35 mm²) 2x (18 ... 2), 1x (18 ... 1) • at AWG cables for main contacts type of connectable conductor cross-sections • for auxiliary contacts - solid or stranded 2x (0.5 ... 2.5 mm²) - finely stranded with core end processing 2x (0.5 ... 1.5 mm²) - finely stranded without core end processing 2x (0.5 ... 2.5 mm²) • at AWG cables for auxiliary contacts 2x (20 ... 14) tightening torque 3 ... 4.5 N·m for main contacts with screw-type terminals design of screwdriver shaft Diameter 5 ... 6 mm size of the screwdriver tip Pozidriv PZ 2 design of the thread of the connection screw M6 • for main contacts Safety related data T1 value for proof test interval or service life according to 20 y IEC 61508 IP20 protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Display display version for switching status Slide switch

Certificates/ approvals



For use in hazardous locations





Confirmation







For use in hazardous locations

**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping







Special Test Certificate

Type Test Certificates/Test Report



## Marine / Shipping













other

Railway

Confirmation

Special Test Certific-

<u>ate</u>

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a>

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RU2136-4ED0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RU2136-4ED0

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

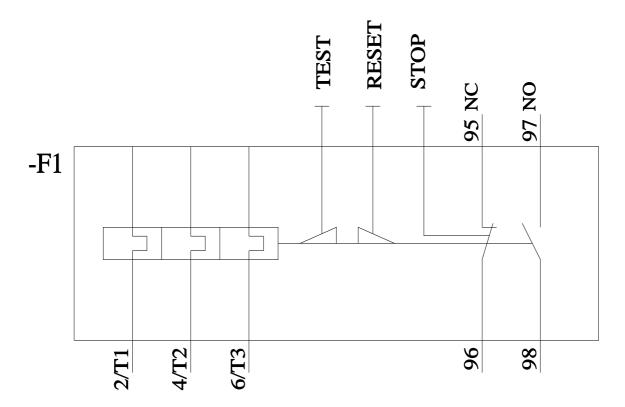
https://support.industry.siemens.com/cs/ww/en/ps/3RU2136-4ED0

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RU2136-4ED0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2136-4ED0&objecttype=14&gridview=view1



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