## SIEMENS

## Data sheet

## 3RU2136-4GB0



Overload relay 36...45 A Thermal For motor protection Size S2, Class 10 Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset

product brand name         SIRIUS           product brand name         SIRUS           concratitachical data         size of overload relay           size of overload relay         S2           size of overload relay         S2           power loss [M] for rated value of the current at AC in hot operating state         S8.00 V           operating state         S2.00 V           insulation voltage with degree of pollution 3 at AC rated value         680 V           surge voltage resistance rated value         680 V           eurge voltage resistance rated value         680 V           • between auxiliary and auxiliary circuit         415 V           • between main and auxiliary circuit         690 V           • between main and au					
product type designation         3RU2           Central technical data	product brand name	SIRIUS			
General technical data     S2       size of overload relay     S2       size of overload relay     S2       size of contactor can be combined company-specific     S2       operating slate     5.2 W       insulation voltage with degree of pollution 3 at AC rated value     680 V       surger voltage resistance rated value     6 kV       maximum permissible voltage for protective separation in networks with grounded star point     415 V       • between auxiliary and auxiliary circuit     415 V       • between main and auxiliary circuit     690 V       • between main and auxiliary circuit     690 V       • between auxiliary accounting to IEC 60068-227     8g / 11 ms       type of protection according to IEC 60068-227     8g / 11 ms       type of protection according to IEC 60068-227     8g / 11 ms       type of protection according to IEC 61346-2     F       Substance Prohibitance (Date)     10/15/2014       Ambient conditions     10/15/2014       ambient temperature     -55 +60 °C       • during peration     -40 +70 °C       • during transport     -55 +60 °C       • during transport<	product designation	thermal overload relay			
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     15.6 W       • per pole     5.2 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     415 V       • between auxiliary and auxiliary circuit     415 V       • between main and auxiliary circuit     690 V       • between resistance according to EC 60068-2:27     8g /11 ms       type of protection according to ATEX directive 2014/34/EU     Exil (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     Exil (2) GD       installation altitude at height above sea level maximum     2 000 m       ambient completatore     600 · 470 °C       <	product type designation	3RU2			
size of contactor can be combined company-specific       S2         power loss [W] for rated value of the current at AC in hot operating state       15.6 W         • per pole       5.2 W         insulation voltage with degree of pollution 3 at AC rated value       6 KV         maximum permissible voltage for protective separation in networks with grounded star point       6 KV         • between auxiliary and auxiliary circuit       415 V         • between main and auxiliary circuit       415 V         • between main and auxiliary circuit       680 V         state of protective separation in networks with grounded star point       690 V         • between main and auxiliary circuit       415 V         • between main and auxiliary circuit       690 V         shock resistance 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       -40 +70 °C         • during storage       -55 +80 °C         • during transport       -55 +80 °C	General technical data				
power loss [W] for rated value of the current at AC in hot operating state     15.8 W       • per pole     5.2 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     415 V       • between auxiliary and auxiliary circuit     415 V       • between main and auxiliary circuit     690 V       • between code 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 <th>size of overload relay</th> <th>S2</th>	size of overload relay	S2			
operating state         5.2 W           insulation voltage with degree of pollution 3 at AC rated value         680 V           surge voltage resistance rated value         6 kV           maximum permissible voltage for protective separation in networks with grounded star point         415 V           • between auxiliary and auxiliary circuit         415 V           • between main and auxiliary circuit         690 V           shock resistance according to LEC 60068-2-27         8g /11 ms           type of protection according to ATEX directive 2014/34/EU         DMT 98 ATEX G 001           certificate of suitability according to ATEX directive 2014/34/EU         DMT 98 ATEX G 001           reference code according to LEC 80368-2-2         F           Substance Prohibitance (Date)         10/15/2014           Ambient conditions         10/15/2014           installation altitude at height above sea level maximum         2 000 m           adjustable current of poles for main current circuit         3           adjustable current tof the cur	size of contactor can be combined company-specific	S2			
insulation voitage with degree of pollution 3 at AC rated value     690 V       surge voitage resistance rated value     6 kV       maximum permissible voitage for protective separation in networks with grounded star point     415 V       • between auxiliary and auxiliary circuit     415 V       • between main and auxiliary circuit     690 V       statace according to ATEX directive 2014/34/EU     Ext II (2) GD       certificate of suitability according to ATEX directive 2014/34/EU     Ext 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     10/15/2014       ambient temperature     -40 +70 °C       • during operation     -40 +70 °C       • during torage     -55 +80 °C       temperature compensation     -40 +60 °C       relative humidity during operation     10 95 %       Main circuit     3       adjustable current response value current of the current-       deporedint overifical release     690 V		15.6 W			
surge voltage resistance rated value     6 kV       maximum permissible voltage for protective separation in networks with grounded star point     415 V       • between auxiliary and auxiliary circuit     415 V       • between main and auxiliary circuit     690 V       • between 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     10/15/2014       installation altitude at height above sea level maximum     2 000 m       adjuing storage     -55 +80 °C       • during torage     -55 +80 °C       • during transport     -55 +80 °C       relative humidity during operation     10 95 %       Máin circuit     3       number of poles for main current circuit     3       adjustable current response value current of the current-dependent overload release     690	per pole	5.2 W			
maximum permissible voltage for protective separation in networks with grounded star point         • between auxiliary and auxiliary circuit       415 V         • between main and auxiliary circuit       415 V         • between main and auxiliary circuit       690 V         • between main and auxiliary circuit       600 V         • certificate of suitability according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         reference code according to IEC 81345-2       F         Substance Prohibitance (Date)       10/15/2014         Ambient conditions       2000 m         ambient temperature       -40 +70 °C         • during storage       <	insulation voltage with degree of pollution 3 at AC rated value	690 V			
networks with grounded star point       415 V         • between auxiliary and auxiliary circuit       415 V         • between main and auxiliary circuit       690 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       DMT 98 ATEX G 001         reference code according to IEC 81346-2       F         Substance Prohibitance (Date)       10/15/2014         Ambient temperature       0         • during operation       40 470 °C         • during transport       -55 +80 °C         • during transport       -55 +80 °C         • during ing operation       10 95 %         Maln circuit       3         number of poles for main current circuit       3         adjustable current respones value current of the current-dependent overload release       690 V         • crated value       690 V         • crated value       690 V <th>surge voltage resistance rated value</th> <th>6 kV</th>	surge voltage resistance rated value	6 kV			
• between auxiliary circuit       415 V         • between main and auxiliary circuit       690 V         • between main and auxiliary circuit       690 V         shock resistance according to IEC 60068-2-27       89 / 11 ms         type of protection according to ATEX directive 2014/34/EU       DMT 98 ATEX G 001         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)       101/2/014         Ambient conditions       installation altitude at height above sea level maximum         ambient temperature       -         • during operation       -40 +70 °C         • during transport       -55 +80 °C         • during transport       -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       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         operational current rated value <th></th> <th></th>					
• between main and auxiliary circuit       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       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         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-       36 45 A         operating rolage       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       50 60 Hz	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	415 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       2 000 m         ambient temperature       -40 +70 °C         • during operation       -40 +70 °C         • during tarsport       -55 +80 °C         • during trapport       -55 +80 °C         relative humidity during operation       10 95 %         Main circuit       3         number of poles for main current circuit       3 6 45 A         operating voltage       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       50 60 Hz         operational current rated value       45 A         operational current rated value       45 A	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	415 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     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 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-     36 45 A       operating relative haum     690 V       • at AC-3e rated value     690 V       • at AC-3e rated value     690 V       • at AC-3e rated value     50 60 Hz       operational current rated value     45 A       operational current at AC-3e at 400 V rated value     45 A	<ul> <li>between main and auxiliary circuit</li> </ul>	690 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)       10/15/2014         Ambient conditions       10/15/2014         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         • 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-       36 45 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         operational current at AC-3e at 400 V rated value       45 A	<ul> <li>between main and auxiliary circuit</li> </ul>	690 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)       10/15/2014         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-       36 45 A         operating voltage       690 V         • at AC-3e rated value       690 V         • at AC-3e rated value       50 60 Hz         operational current at AC-3e at 400 V rated value       45 A	shock resistance according to IEC 60068-2-27	8g / 11 ms			
reference code acording to IEC 81346-2       F         Substance Prohibitance (Date)       10/15/2014         Ambient conditions       2 000 m         installation allitude 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         • during transport       -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       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       45 A	type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD			
Substance Prohibitance (Date)       10/15/2014         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         adjustable current circuit adjustable current of the current-dependent overload release       36 45 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         operational current rated value       45 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-       36 45 A         operating voltage       690 V         • at AC-3e rated value       690 V         • operating frequency rated value       50 60 Hz         operational current rated value       45 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       36 45 A         operating voltage       690 V         • rated value       690 V         • at AC-3e rated value       50 60 Hz         operating frequency rated value       45 A         operational current rated value       45 A	Substance Prohibitance (Date)	10/15/2014			
ambient temperature       -40 +70 °C         • during operation       -55 +80 °C         • during transport       -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       36 45 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       45 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 release600 V• rated value690 V• at AC-3e rated value maximum690 Voperating frequency rated value50 60 Hzoperating current at AC-3e at 400 V rated value45 A	installation altitude at height above sea level maximum	2 000 m			
• 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       36 45 A         operating voltage       690 V         • 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       45 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       36 45 A         operating voltage       690 V         • at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       45 A	<ul> <li>during operation</li> </ul>	-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       36 45 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       45 A         operational current at AC-3e at 400 V rated value       45 A	<ul> <li>during storage</li> </ul>	-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       36 45 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       45 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       36 45 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       45 A         operational current at AC-3e at 400 V rated value       45 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       36 45 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>45 A</li> </ul>	relative humidity during operation	10 95 %			
adjustable current response value current of the current-       36 45 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       45 A         operational current at AC-3e at 400 V rated value       45 A	Main circuit				
dependent overload release       Image: Comparising 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       45 A         operational current at AC-3e at 400 V rated value       45 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       45 A         operational current at AC-3e at 400 V rated value       45 A		36 45 A			
• at AC-3e rated value maximum       690 V         operating frequency rated value       50 60 Hz         operational current rated value       45 A         operational current at AC-3e at 400 V rated value       45 A	operating voltage				
operating frequency rated value     50 60 Hz       operational current rated value     45 A       operational current at AC-3e at 400 V rated value     45 A	rated value	690 V			
operational current rated value     45 A       operational current at AC-3e at 400 V rated value     45 A	at AC-3e rated value maximum	690 V			
operational current at AC-3e at 400 V rated value 45 A	operating frequency rated value	50 60 Hz			
	operational current rated value	45 A			
operating power	operational current at AC-3e at 400 V rated value	45 A			
	operating power				

• at AC-3				
• at AC-3 — at 400 V rated value	22 kW			
— at 500 V rated value	30 kW			
<ul> <li>— at 690 V rated value</li> <li>● at AC-3e</li> </ul>	37 kW			
	20 IAN			
— at 400 V rated value	22 kW			
— at 500 V rated value	30 kW			
— at 690 V rated value	37 kW			
Auxiliary circuit	integrated			
design of the auxiliary switch number of NC contacts for auxiliary contacts	integrated			
2				
note	for contactor disconnection			
number of NO contacts for auxiliary contacts				
note	for message "Tripped" 0			
number of CO contacts for auxiliary contacts operational current of auxiliary contacts at AC-15	0			
at 24 V	3 A			
• at 24 v	3A			
• at 120 V	3 A 3 A			
• at 125 V	3 A 2 A			
• at 230 V	2 A			
• at 400 V				
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			
design of the miniature circuit breaker for short-circuit protection	6A (SCC less than equal to 0.5 kA; U less than equal to 260V)			
of the auxiliary switch required	B600 / R300			
	B600 / R300			
of the auxiliary switch required contact rating of auxiliary contacts according to UL	B600 / R300 CLASS 10			
of the auxiliary switch required contact rating of auxiliary contacts according to UL Protective and monitoring functions				
of the auxiliary switch required contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class	CLASS 10			
of the auxiliary switch required contact rating of auxiliary contacts according to UL Protective and monitoring functions trip class design of the overload release	CLASS 10			
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/CSA ratings	CLASS 10			
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/CSA ratings full-load current (FLA) for 3-phase AC motor	CLASS 10 thermal			
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/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value	CLASS 10 thermal 45 A			
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/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	CLASS 10 thermal 45 A			
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/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value Short-circuit protection	CLASS 10 thermal 45 A			
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/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	CLASS 10 thermal 45 A 45 A			
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/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	CLASS 10 thermal 45 A 45 A			
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/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	CLASS 10 thermal 45 A 45 A fuse gG: 6 A, quick: 10 A			
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/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	CLASS 10 thermal 45 A 45 A 45 A fuse gG: 6 A, quick: 10 A any			
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/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	CLASS 10 thermal 45 A 45 A 45 A fuse gG: 6 A, quick: 10 A any Contactor mounting			
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/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	CLASS 10 thermal 45 A 45 A 45 A 45 A fuse gG: 6 A, quick: 10 A any Contactor mounting 90 mm			
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/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	CLASS 10 thermal 45 A 45 A 45 A fuse gG: 6 A, quick: 10 A any Contactor mounting 90 mm 55 mm			
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/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	CLASS 10 thermal 45 A 45 A 45 A fuse gG: 6 A, quick: 10 A any Contactor mounting 90 mm 55 mm			
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/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	CLASS 10 thermal 45 A 45 A 45 A 45 A 45 A 45 A 45 A 45 M fuse gG: 6 A, quick: 10 A any Contactor mounting 90 mm 55 mm 105 mm			
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/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	CLASS 10 thermal 45 A 45 A 45 A 45 A 45 A 45 A 45 A 45 M fuse gG: 6 A, quick: 10 A any Contactor mounting 90 mm 55 mm 105 mm			
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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/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	CLASS 10 thermal 45 A 45 A 45 A fuse gG: 6 A, quick: 10 A any Contactor mounting 90 mm 55 mm 105 mm No No			
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/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	CLASS 10 thermal 45 A 45 A 45 A fuse gG: 6 A, quick: 10 A any Contactor mounting 90 mm 55 mm 105 mm No No			
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/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 arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	CLASS 10 thermal 45 A 45 A 45 A 45 A 45 A 45 A 45 A 45 A			

type of connectable conducto	or cross-sections	;	-				
<ul> <li>for auxiliary contacts</li> </ul>							
- solid or stranded			2x (0.5 1.5	mm²), 2x (0.75	2.5 mm²)		
— finely stranded with	core end process	ing	2x (0.5 1.5	mm²), 2x (0.75	2.5 mm²)		
<ul> <li>for AWG cables for auxili</li> </ul>	iary contacts	-	2x (20 16),	2x (0.0 1.6), 2x (18 14)			
tightening torque	·						
<ul> <li>for main contacts with so</li> </ul>	rew-type terminals	6	3 4.5 N·m				
for auxiliary contacts with screw-type terminals			0.8 1.2 N·m	1			
design of screwdriver shaft			Diameter 5	6 mm			
size of the screwdriver tip			Pozidriv PZ 2				
design of the thread of the co	onnection screw						
<ul> <li>for main contacts</li> </ul>			M6				
<ul> <li>of the auxiliary and contr</li> </ul>	ol contacts		M3				
Safety related data	or contacts		MO				
T1 value for proof test interval of 61508	or service life acco	rding to IEC	20 a				
protection class IP on the fro	nt according to I	EC 60529	IP20				
touch protection on the front				r vertical contac	t from the front		
Display			inger-sale, 10				
	atus		Slide ovitet				
display version for switching sta	alus		Slide switch				
Certificates/ approvals							
General Product Approval					For use in hazardous	locations	
(m)	<u>Confirmation</u>	Ē	I	- <b></b> -		<b>IECE</b> <sub>2</sub>	
(ui		(P)		HI	\c x/	incoce,	
ccc		UL			ATEX	IECEx	
Declaration of Conformity		Test Certificat	es		Marine / Shipping		
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(E		ates/Test Re	port	<u>ate</u>			
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2 2		15 miles		ALL A		Confirmation	
$\Delta \Phi$	Lloyd's	(33)		(25)	(fa)		
DNV	Negister						
DNV	LRS	PRS		RINA	RMRS		
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

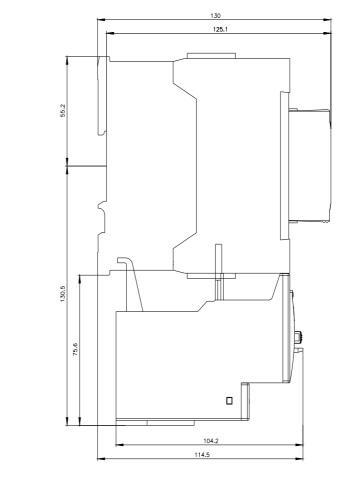
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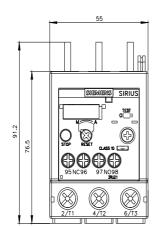
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RU2136-4GB0&lang=en

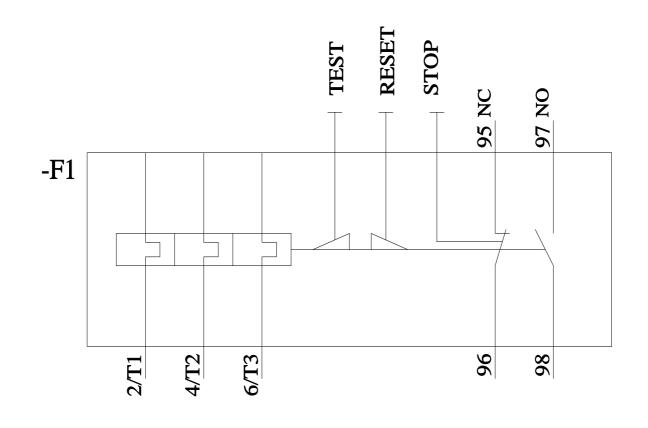
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RU2136-4GB0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RU2136-4GB0&objecttype=14&gridview=view1







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