## SIEMENS

## Data sheet

## 3RT1476-6AV36



Contactor, AC-1, 690 A/690 V/40  $^\circ\text{C},$  S12, 3-pole, 380-420 V AC/DC, with varistor, 2 NO+2 NC, Connection rail/ screw terminal

product brand name	SIRIUS		
product designation	Contactor		
product designation	3RT14		
General technical data			
size of contactor	S12		
	512		
product extension	No		
function module for communication	No Yes		
auxiliary switch	Tes		
power loss [W] for rated value of the current	10F 7 W		
at AC in hot operating state	185.7 W		
at AC in hot operating state per pole	61.9 W		
without load current share typical	10 W		
insulation voltage	1 000 \/		
<ul> <li>of main circuit with degree of pollution 3 rated value</li> <li>of auxiliant circuit with degree of pollution 3 rated</li> </ul>	1 000 V		
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V		
surge voltage resistance			
<ul> <li>of main circuit rated value</li> </ul>	8 kV		
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV		
shock resistance at rectangular impulse			
• at AC	8,5g / 5 ms, 4,2g / 10 ms		
• at DC	8,5g / 5 ms, 4,2g / 10 ms		
shock resistance with sine pulse			
• at AC	13,4g / 5 ms, 6,5g / 10 ms		
• at DC	13,4g / 5 ms, 6,5g / 10 ms		
mechanical service life (switching cycles)			
<ul> <li>of contactor typical</li> </ul>	10 000 000		
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000		
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000		
reference code according to IEC 81346-2	Q		
Substance Prohibitance (Date)	05/01/2012		
Ambient conditions			
installation altitude at height above sea level maximum	2 000 m		
ambient temperature			
during operation	-25 +60 °C		
during storage	-55 +80 °C		
relative humidity minimum	10 %		
relative humidity at 55 °C according to IEC 60068-2-30	95 %		

maximum	
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
number of NC contacts for main contacts	0
type of voltage for main current circuit	AC
operational current	
• at AC-1	
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>	690 A
— up to 690 V at ambient temperature 55 °C rated value	650 A
— up to 690 V at ambient temperature 60 °C rated value	650 A
• at AC-3	
— at 400 V rated value	170 A
— at 690 V rated value	170 A
minimum cross-section in main circuit at maximum AC-1 rated value	480 mm²
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency at AC-1 maximum	600 1/h
Control circuit/ Control	
type of voltage	AC/DC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	380 420 V
<ul> <li>at 60 Hz rated value</li> </ul>	380 420 V
control supply voltage at DC	
• rated value	380 420 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.8
full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	with valision
• at 50 Hz	830 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
<ul> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> </ul>	9.2 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.9
closing power of magnet coil at DC	920 W
holding power of magnet coil at DC	10 W
closing delay	
• at AC	45 100 ms
● at DC	45 100 ms
opening delay	
• at AC	60 100 ms
• at DC	60 100 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
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	a attachabla	4			
number of NO contacts for auxiliary contacts         2           • Ittischable         4           • Ittischable         2           operational current at AC-12 maximum         10 A           operational current at AC-15         6           • Ittischable         3A           • Ittischable         6A           • Ittischable         3A           • Ittischable         1A           operational current at AC-15         6           • Ittischable         1A           operational current at AC-15         1A           operational current at AC-16         1A           of A Oracle value         2A           • Itto V rated value         0A           op at A Do (230 V, 400 A)         Contact ittosition           contact reliability of auxilary contacts         1 faulty switching per 100 million (17 V, 1 mA)           Stort-Contar protection         No           design of the minan circuit         ge: 800 A (850 V, 50 KA)           or short-Caruit protection         No           de					
• instantaneous contact         2           operational current at AC-15         0 A           • at 230 V rated value         6 A           • at 300 V rated value         2 A           • at 600 V rated value         2 A           • at 600 V rated value         2 A           • at 600 V rated value         2 A           • at 60 V rated value         0 A           • at 80 V rated value         <	-				
operational current at AC-12 maximum         10 A           operational current at AC-15         6 A           • at 230 V rated value         3 A           • at 300 V rated value         3 A           • at 300 V rated value         1 A           • operational current at DC-13         10 A           • at 400 V rated value         1 A           • at 400 V rated value         2 A           • at 40 V rated value         2 A           • at 10 V rated value         2 A           • at 10 V rated value         0.9 A           • at 10 V rated value         0.9 A           • at 122 V rated value         0.1 A           gesign of the ministure circuit breaker for short-circuit protection         1 faulty switching per 100 million (17 V, 1 mA)           Stort-circuit protection of the suiking switch required         1 faulty switching per 100 million (17 V, 1 mA)           Stort-circuit protection of the suiking switch required         1 faulty switching per 100 million (17 V, 1 mA)           Stort-circuit protection of the maximi circuit         9G: 10 A (680 V, 100 kA)           - with type of asognment 2 required         gG: 10 A (680 V, 100 kA)           - of the sub link         10 mm           - for short-circuit protection of the auximi sy switch required         225 mm           featering method					
operational current at AC-15         6           • at 230 Vrated value         3 A           • at 500 Vrated value         3 A           • at 500 Vrated value         2 A           • at 500 Vrated value         1 A           operational current at DC-13         1 A           • at 60 Vrated value         1 A           operational current at DC-13         1 A           • at 60 Vrated value         2 A           • at 61 Vrated value         1 A           • at 610 Vrated value         0 A           • at 25 Vrated value         0 A           • or stort-circuit protection         g8: 10 A (680 V, 400 A)           product function short circuit protection         d8: 10 A (680 V, 100 KA)           • or stort-circuit protection of the main circuit         g6: 10 A (680 V, 100 KA)           • or stort-circuit protection of the auxiliary switch required         g6: 10 A (600 V, 100 KA)           • or storotacis au					
<ul> <li>at 230 V rated value</li> <li>at 630 V rated value</li> <li>at 630 V rated value</li> <li>at 630 V rated value</li> </ul> <li>at 630 V rated value</li> <li>1A</li> <li>operational current at DC-13</li> <li>at 64 V rated value</li> <li>at 64 V rated value</li> <li>10 A</li> <li>at 64 V rated value</li> <li>2A</li> <li>at 610 V rated value</li> <li>03 A</li> <li>at 620 V rated value</li> <li>03 A</li> <li>at 620 V rated value</li> <li>03 A</li> <li>at 620 V rated value</li> <li>03 A</li> <li>at 600 V rated value</li> <li>01 A (230 V, 400 A)</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>Short-circuit protection of the main circuit</li> <li>or short-circuit protection of the main circuit</li> <li>or short-circuit protection of the main circuit</li> <li>or short-circuit protection of the auxiliary switch regulad</li> <li>or switch 30</li> <li>or m</li>	-				
is at 400 V rated value         is at 500 V rated value         is at 40 V rated value         is at 500 V rate 500 V rated value         is at 500 V rated value         i	-	6 A			
• at 500 V rated value     2 A       • at 500 V rated value     1 A       • at 24 V rated value     10 A       • at 48 V rated value     10 A       • at 48 V rated value     2 A       • at 60 V rated value     2 A       • at 60 V rated value     2 A       • at 60 V rated value     0.9 A       • at 125 V rated value     0.1 A       • at 20 V rated value     0.1 A       • at 20 V rated value     0.1 A       • at 300 V rated value     0.1 A       • at thype of assin					
• at 850 V rated value     1 A       operational current at 0C-13     0       • at 24 V rated value     2 A       • at 80 V rated value     2 A       • at 10 V rated value     1 A       • at 25 V rated value     0.9 A       • at 22 V rated value     0.3 A       • at 200 V rated value     0.1 A       • et 300 V rated value     0.1 A       • of rastort-circuit protection     96: 10 A (500 V, 400 A)       • of rastort-circuit protection of the main circuit     97: 710 A (600 V, 10 KA)       • et solo     98: 710 A (600 V, 1 KA)       • et solo     98: 710 A (600 V, 1 KA)       • et solo     98: 710 A (600 V, 1 KA)       • et solo     98: 710 A (600 V, 1 KA)       • et solo     98: 710 A (600 V, 1 KA)   <					
operational current at DC-13         10 A           • at 24 V rated value         10 A           • at 48 V rated value         2 A           • at 60 V rated value         2 A           • at 60 V rated value         2 A           • at 125 V rated value         0.9 A           • at 220 V rated value         0.1 A           design of the miniature circuit breaker for short-circuit protection of the auxiliary water equired         01 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           Short-circuit protection of the main circuit         - with type of coordination 1 required           - with type of coordination 1 required         gG: 800 A (680 V, 50 kA)           - with type of coordination 1 required         gG: 800 A (680 V, 50 kA)           - with type of coordination 1 required         gG: 800 A (680 V, 10 kA)           - with type of coordination 1 required         gG: 800 A (680 V, 10 kA)           - with type of coordination 1 required         gG: 800 A (680 V, 10 kA)           - with type of coordination 1 required         gG: 800 A (680 V, 10 kA)           - for short-circuit protection of the auxiliary switch         gG: 800 A (680 V, 10 kA)           - for watch calcular protection of the auxiliary switch         gG: 800 A (680 V, 10 kA)           - for wards         20 mm <td></td> <td></td>					
• at 24 V rated value     10 Å       • at 80 V rated value     2 Å       • at 80 V rated value     2 Å       • at 100 V rated value     1 Å       • at 220 V rated value     0 3 Å       • at 220 V rated value     0 3 Å       • at 200 V rated value     0 3 Å       • at 200 V rated value     0 3 Å       • at 200 V rated value     0 1 Å       design of the miniature circuit breaker for short-circuit grotection     gG: 10 Å (230 V, 400 Å)       protect functions short circuit protection     1 faulty switching per 100 million (17 V, 1 mÅ)       Short-circuit protection     No       design of the fuse link     No       • for short-circuit protection of the anin circuit     gG: 800 Å (690 V, 100 kÅ)       • for short-circuit protection of the auxiliary switch required     gG: 10 Å (690 V, 100 kÅ)       • for short-circuit protection of the auxiliary switch required     gG: 10 Å (690 V, 100 kÅ)       • iside-by-side mounting     with vertical mounting surface +2.2.9 " titable to the front and back       side-by-side mounting     Yes       height     225 mm       • with side-by-side mounting     225 mm       • with side-by-side mounting     0 mm       • diverside     0 mm       • diverside     0 mm       • diverside     0 mm       • diverside     0 mm					
• at 48 V rated value     2 A       • at 60 V rated value     2 A       • at 125 V rated value     0.9 A       • at 25 V rated value     0.3 A       • at 600 V rated value     0.1 A       design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required     g6: 10 A (230 V, 400 A)       protection of the auxiliary switch required     g6: 30 A (600 V, 50 KA)       product function short circuit protection     No       design of the fuse link     • for short-circuit protection of the main circuit       - with type of coordination 1 required     g6: 300 A (600 V, 50 KA)       - with type of assignment 2 required     g6: 300 A (600 V, 50 KA)       - with type of assignment 2 required     g6: 300 A (600 V, 50 KA)       - with type of assignment 2 required     g6: 10 A (500 V, 10 KA)       - with type of assignment 2 required     g6: 300 A (600 V, 50 KA)       mounting position     with vertical mounting surface +/-00" rotatable, with vertical mounting surface +/-20" rotatable, with vertical mounting s	•	10 A			
• at 60 V rated value         2 A           • at 110 V rated value         1 A           • at 120 V rated value         0 9 A           • at 220 V rated value         0 3 A           • at 600 V rated value         0 1 A           design of the miniature circuit breaker for short-circuit protection of the auxility switch required         0 1 A           contact reliability of auxiliary contacts         1 faulty switching per 100 million (17 V, 1 mA)           Short-circuit protection         Mo           design of the fuse link         No           • for short-circuit protection         GS: 800 A (690 V, 50 KA)           - with type of assignment 2 required         GS: 800 A (690 V, 50 KA)           - with type of assignment 2 required         GS: 800 A (690 V, 50 KA)           • for short-circuit protection of the auxiliary switch required         gS: 10 A (500 V, 100 kA)           • for short-circuit protection of the auxiliary switch         gS: 10 A (500 V, 10 kA)           • for short-circuit protection of the auxiliary switch         gS: 10 A (500 V, 10 kA)           • side-by-side mounting         Yes           height         214 mm           width         160 mm           • side-by-side mounting         Yes           • width         100 mm           - onwards         20 mm					
• at 110 V rated value     1 A       • at 125 V rated value     0.9 A       • at 200 V rated value     0.3 A       • at 600 V rated value     0.1 A       gesign of the ministure circuit breaker for short-circuit protection of the auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       Short-Circuit protection     No       design of the fuse link     9G: 10 A (230 V, 400 A)       product function short circuit protection     No       design of the fuse link     9G: 800 A (690 V, 50 KA)       - with type of coordination 1 required     9G: 800 A (690 V, 50 KA)       - with type of coordination 1 required     9G: 10 A (500 V, 10 KA)       - of short-circuit protection of the auxiliary switch required     9G: 10 A (500 V, 10 KA)       - for short-circuit protection of the auxiliary switch required     9G: 10 A (500 V, 10 KA)       • for short-circuit protection of the auxiliary switch required     9G: 10 A (500 V, 10 KA)       • for short-circuit protection of the auxiliary switch required     9G: 10 A (500 V, 10 KA)       • side-by-side mounting     Screw Kaing       • side-by-side mounting     Yes       height     214 mm       witch     100 mm       - onwards     20 mm       - onwards     20 mm       - onwards     10 mm       - onwards     10 mm       - onwards     10					
• at 220 V rated value     0.3 Å       • at 600 V rated value     0.1 Å       Øesign of the ministure circuit protection     95:10 Å (230 V, 400 Å)       contact reliability of auxiliary switch required     95:10 Å (230 V, 400 Å)       Short-Circuit protection     No       design of the taxe link     •       • for short-circuit protection of the main circuit     -       • with type of assignment 2 required     95:10 Å (580 V, 100 Å)       • or short-circuit protection of the auxiliary switch required     95:10 Å (580 V, 100 Å)       • for short-circuit protection of the auxiliary switch required     95:10 Å (580 V, 100 Å)       Installation/ mounting / dimensions     with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tittable to the front and back       fastening method     screw fixing     screw fixing       • side-by-side mounting     Yes       height     214 mm       with side-by-side mounting     Yes       • for grounded parts     20 mm       - forwards     20 mm       - upwards     10 mm       - at the side     10 mm       - at the side     10 mm       - downwards     10 mm       - at the side     10 mm       - forwards     20 mm       - forwards     10 mm       - at the side     10 mm					
• at 600 V rated value     0.1 A       design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required     gC: 10 A (230 V, 400 A)       contact reliability of auxiliary contacts     1 faulty switching per 100 million (17 V, 1 mA)       Short-circuit protection     No       design of the fause link     • for short-circuit protection of the main circuit       - with type of coordination 1 required     gC: 800 A (690 V, 50 KA)       - with type of assignment 2 required     gC: 10 A (690 V, 10 KA)       - with type of assignment 2 required     gC: 10 A (690 V, 10 KA)       - with type of assignment 2 required     gC: 10 A (690 V, 10 KA)       Instalation/ mounting / faustion     gC: 10 A (690 V, 1 KA)       required     with vertical mounting surface +/90° rotatable, with vertical mounting surface +/22.5° ittable to the front and back       fastening method     screw fixing       • side-by-side mounting     Yes       height     214 mm       witch     160 mm       - forwards     20 mm       - ownwards     10 mm       - at the side     0 mm       - forwards     20 mm       - ownwards     10 mm       - at the side     10 mm       - at the side     10 mm       - at the side     10 mm       - forwards     20 mm       - ownwards					
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required       gG: 10 A (230 V, 400 A)         contact reliability of auxiliary contacts       1 faulty switching per 100 million (17 V, 1 mA)         Short-circuit protection       No         design of the fuse link       • for short-circuit protection of the main circuit         - with type of assignment 2 required       gG: 800 A (690 V, 50 kA)         - with type of assignment 2 required       gG: 10 A (250 V, 100 kA)         • for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 10 kA)         Installation/ mounting/ dimensions       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tittable to the front and back         screw fixing       Yes         height       225 mm         required spacing       20 mm         • with side-by-side mounting       225 mm         • for grounded parts       20 mm         - downwards       10 mm         - downwards       00 mm         - downwards       10 mm         - downwards       20 mm         - downwards       10 mm	at 220 V rated value	0.3 A			
protection of the auxiliary switch required         1           contact reliability of auxiliary contacts         1           product function short circuit protection         No           design of the fuse link         •           • for short-circuit protection of the main circuit         gc: 800 A (690 V, 50 kA)           - with type of coordination 1 required         gc: 800 A (690 V, 50 kA)           - with type of assignment 2 required         gc: 10 A (500 V, 10 kA)           of or short-circuit protection of the auxiliary switch required         gc: 10 A (500 V, 10 kA)           installation/ mounting dimensions         with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-90" rotatable, with vertical mounting           • side-by-side mounting         Yes           feight         214 mm           width         160 mm           depth         225 mm           required spacing         0 mm           • width side-by-side mounting         20 mm           - upwards         10 mm           - at the side         0 mm           - downwards         20 mm           - upwards         10 mm           - at the side         10 mm           - at the side         10 mm           - downwards         10 mm <td< td=""><td>at 600 V rated value</td><td>0.1 A</td></td<>	at 600 V rated value	0.1 A			
protection of the auxiliary switch required         1           contact reliability of auxiliary contacts         1           product function short circuit protection         No           design of the fuse link         •           • for short-circuit protection of the main circuit         gc: 800 A (690 V, 50 kA)           - with type of coordination 1 required         gc: 800 A (690 V, 50 kA)           - with type of assignment 2 required         gc: 10 A (500 V, 10 kA)           of or short-circuit protection of the auxiliary switch required         gc: 10 A (500 V, 10 kA)           installation/ mounting dimensions         with vertical mounting surface +/-90" rotatable, with vertical mounting surface +/-90" rotatable, with vertical mounting           • side-by-side mounting         Yes           feight         214 mm           width         160 mm           depth         225 mm           required spacing         0 mm           • width side-by-side mounting         20 mm           - upwards         10 mm           - at the side         0 mm           - downwards         20 mm           - upwards         10 mm           - at the side         10 mm           - at the side         10 mm           - downwards         10 mm <td< td=""><td>design of the miniature circuit breaker for short-circuit</td><td>gG: 10 A (230 V, 400 A)</td></td<>	design of the miniature circuit breaker for short-circuit	gG: 10 A (230 V, 400 A)			
Short-circuit protection       No         product function short circuit protection       No         design of the fuse link       • for short-circuit protection of the main circuit       gG: 800 A (690 V, 50 kA)	protection of the auxiliary switch required				
product function short circuit protection         No           design of the fuse link         • for short-circuit protection of the main circuit         - with type of coordination 1 required         gG: 800 A (690 V, 50 kA)	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)			
design of the fuse link <ul> <li>for short-circuit protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>with type of coordination 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> gG: 800 A (690 V, 50 kA)           Installation/ mounting/ dimensions         gG: 10 A (500 V, 100 kA)           mounting position         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back           fastening method         screw fixing           • side-by-side mounting         Yes           height         214 mm           width         160 mm           depth         226 mm           required spacing         0 mm           • oth side-by-side mounting         0 mm           - forwards         20 mm           - quwards         10 mm           - downwards         10 mm           - downwards         10 mm          - at the side         0 mm           - downwards         10 mm           -					
	product function short circuit protection	No			
with type of coordination 1 required     gG: 800 A (690 V, 50 kA)       with type of assignment 2 required     gR: 710 A (690 V, 100 kA)       • for short-circuit protection of the auxiliary switch required     gG: 10 A (500 V, 1 kA)       Installation/ mounting/ dimensions     with vertical mounting surface +/-90° rotatable, with vertical mounting vertical mounting surface +/-90° rotatable, with ve	design of the fuse link				
with type of assignment 2 required     gR: 710 A (690 V, 100 kA)       • for short-circuit protection of the auxiliary switch required     gS: 10 A (500 V, 1 kA)       Installation/ mounting/ dimensions     with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/	<ul> <li>for short-circuit protection of the main circuit</li> </ul>				
• for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         Installation/ mounting voltable, with vertical mounting surface +/-90° rotatable, with vertical mounting         surface +/- 22.5" tiltable to the front and back         fastening method       screw fixing         • side-by-side mounting       Yes         height       214 mm         width       160 mm         depth       225 mm         required spacing       •         • with side-by-side mounting       225 mm         - forwards       20 mm         - upwards       10 mm         - downwards       0 mm         - forwards       20 mm         - forwards       10 mm         - at the side       0 mm         - forwards       20 mm         - forwards       10 mm         - at the side       10 mm         - forwards       20 mm         - upwards       10 mm         - at the side       10 mm         - forwards       20 mm         - upwards       10 mm         - forwards <td< td=""><td><ul> <li>— with type of coordination 1 required</li> </ul></td><td colspan="4">gG: 800 A (690 V, 50 kA)</td></td<>	<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 800 A (690 V, 50 kA)			
Installation/ mounting/ dimensions       with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back         fastening method       screw fixing         • side-by-side mounting       Yes         height       214 mm         width       160 mm         depth       225 mm         required spacing       •         • with side-by-side mounting       20 mm         - forwards       20 mm         - upwards       10 mm         - downwards       0 mm         - forwards       20 mm         - forwards       10 mm         - at the side       0 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         -	<ul> <li>— with type of assignment 2 required</li> </ul>	gR: 710 A (690 V, 100 kA)			
Installation/ mounting/ dimensions           mounting position         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tittable to the front and back           fastening method         screw fixing           • side-by-side mounting         Yes           height         214 mm           width         160 mm           depth         225 mm           required spacing         • with side-by-side mounting           - forwards         20 mm           - upwards         10 mm           - downwards         0 mm           - forwards         20 mm           - forwards         10 mm           - forwards         10 mm           - forwards         20 mm           - forwards         10 mm           - forwards         20 mm           - forwards         10 mm           - forwards         10 mm           - downwards         10 mm           - down		gG: 10 A (500 V, 1 kA)			
mounting position         with vertical mounting surface +/-92.5° tiltable to the front and back           fastening method         surface +/-22.5° tiltable to the front and back           e side-by-side mounting         Yes           height         214 mm           width         160 mm           depth         225 mm           required spacing         • with side-by-side mounting           - forwards         20 mm           - upwards         10 mm           - at the side         0 mm           - at the side         0 mm           - at the side         10 mm           - forwards         10 mm           - at the side         10 mm           - downwards         10 mm           - forwards         20 mm           - downwards         10 mm           - forwards         20 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         10 mm           - forwards         10 mm           - downwards         10 mm           - downwards         10 mm           - at the side         10					
surface +/- 22.5° tiltable to the front and back       fastening method     screw fixing       • side-by-side mounting     Yes       height     214 mm       width     160 mm       depth     225 mm       required spacing     • with side-by-side mounting       - forwards     20 mm       - upwards     10 mm       - downwards     0 mm       - at the side     0 mm       - forwards     20 mm       - at the side     0 mm       - forwards     10 mm       - at the side     10 mm       - at the side     10 mm       - forwards     10 mm       - at the side     10 mm       - downwards     10 mm       - at the side     10 mm       - downwards     10 mm       - downwards     10 mm       - at the side     10 mm       - downwards     10 mm       - downwards <td></td> <td>with vertical mounting surface <math>\pm /-00^\circ</math> rotatable, with vertical mounting</td>		with vertical mounting surface $\pm /-00^\circ$ rotatable, with vertical mounting			
• side-by-side mounting       Yes         height       214 mm         width       160 mm         depth       225 mm         required spacing       225 mm         • with side-by-side mounting       20 mm         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         - forwards       20 mm         - forwards       10 mm         - at the side       10 mm         - downwards       10 mm         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - forwards       20 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - forwards       10 mm         - forwards       10 mm         - forwards       10 mm         -	mounting position	surface +/- 22.5° tiltable to the front and back			
height       214 mm         width       160 mm         depth       225 mm         required spacing       • with side-by-side mounting         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         - for grounded parts       20 mm         - for grounded parts       20 mm         - for grounded parts       20 mm         - at the side       0 mm         - downwards       10 mm         - for vards       20 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - for auxiliary and control circuit       Connection bar         - of the side       10 mm         - downwards       10 mm         - downwards       10 mm <td< td=""><td>fastening method</td><td>screw fixing</td></td<>	fastening method	screw fixing			
width       160 mm         depth       225 mm         required spacing       400 mm         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         - for grounded parts       0 mm         - forwards       20 mm         - at the side       0 mm         - forwards       20 mm         - at the side       0 mm         - downwards       10 mm         - at the side       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       10 mm         - at the side       10 mm         - at the side       10 mm	<ul> <li>side-by-side mounting</li> </ul>	Yes			
depth       225 mm         required spacing       • with side-by-side mounting         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - downwards       0 mm         - at the side       0 mm         - for grounded parts       20 mm         - forwards       20 mm         - forwards       20 mm         - forwards       20 mm         - forwards       20 mm         - downwards       10 mm         - at the side       10 mm         - at the side       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - at the side       10 mm         - for main current circuit       Connection bar         · for main current circuit       Connection bar         · for auxiliary and control circuit       screw-type terminals         · at contactor f	height	214 mm			
required spacing         • with side-by-side mounting         - forwards       20 mm         - upwards       10 mm         - downwards       10 mm         - downwards       0 mm         - at the side       0 mm         • for grounded parts       20 mm         - forwards       20 mm         - upwards       10 mm         - at the side       0 mm         - at the side       10 mm         - at the side       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       20 mm         - upwards       10 mm         - forwards       10 mm         - downwards       10 mm         - at the side       10 mm <td< td=""><td>width</td><td>160 mm</td></td<>	width	160 mm			
<ul> <li>with side-by-side mounting         <ul> <li>forwards</li> <li>forwards</li> <li>upwards</li> <li>mm</li> <li>downwards</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>for grounded parts</li> <li>for grounded parts</li> <li>forwards</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>mm</li> <li>downwards</li> <li>mm</li> <li>mm</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>mm</li></ul></li></ul>	depth	225 mm			
- forwards20 mm- upwards10 mm- downwards10 mm- at the side0 mm- at the side0 mm• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- downwards10 mm- downwards10 mm- for live parts forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- at the side10 mm <td>required spacing</td> <td></td>	required spacing				
upwards10 mm- downwards10 mm- at the side0 mm- at the side0 mm- for grounded parts20 mm- upwards10 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards10 mm- downwards10 mm- for live parts forwards20 mm- upwards10 mm- forwards10 mm- forwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- downwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- downwards10 mm- for auxiliary and control circuitConnection bar- for auxiliary and control circuitscrew-type terminals- at contactor for auxiliary contactsScrew-type terminals	<ul> <li>with side-by-side mounting</li> </ul>				
- downwards10 mm- at the side0 mm• for grounded parts20 mm- forwards20 mm- upwards10 mm- at the side10 mm- at the side10 mm- downwards10 mm- for live parts forwards20 mm- upwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- forwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- at the side10 mm- for auxiliary and control circuitConnection bar• at contactor for auxiliary contactsScrew-type terminals	— forwards	20 mm			
at the side0 mm• for grounded parts20 mm forwards20 mm upwards10 mm at the side10 mm downwards10 mm downwards20 mm• for live parts20 mm forwards20 mm upwards10 mm downwards10 mm downwards10 mm downwards10 mm at the side10 mm at the side5 crew-type terminals at contactor for auxiliary contacts5 crew-type terminals	— upwards	10 mm			
<ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>downwards</li> <li>for live parts</li> <li>for vards</li> <li>forwards</li> <li>at the side</li> <li>at contactor for auxiliary contacts</li> </ul>		10 mm			
- forwards20 mm- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm- for live parts forwards20 mm- upwards10 mm- upwards10 mm- at the side10 mm- at the side10 mm- at the side10 mm- at the side0 mm- at the side10 mm- at the side5 mm- at the side10 mm- at the side5 mm- at the side10 mm- at the side10 mm- at the side5 mm- at the side5 mm- at the side5 mm- at the side5 mm- at contactor for auxiliary contacts5 crew-type terminals		0 mm			
- upwards10 mm- at the side10 mm- downwards10 mm- downwards20 mm- for wards20 mm- upwards10 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mm- at the side0 mm- for main current circuitConnection bar• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals					
at the side10 mm at the side10 mm downwards10 mm• for live parts20 mm forwards20 mm upwards10 mm downwards10 mm at the side10 mm at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals					
- downwards10 mm• for live parts forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals					
<ul> <li>for live parts         <ul> <li>for wards</li> <li>for wards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>Connections/ Terminals</li> <li>type of electrical connection         <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul> </li> </ul>					
- forwards20 mm- upwards10 mm- downwards10 mm- at the side10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals		10 mm			
- upwards10 mm- downwards10 mm- at the side10 mmConnections/ Terminalstype of electrical connection• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals					
downwards       10 mm         at the side       10 mm         Connections/ Terminals       10 mm         type of electrical connection       Connection bar         • for main current circuit       Connection bar         • for auxiliary and control circuit       screw-type terminals         • at contactor for auxiliary contacts       Screw-type terminals					
	•				
Connections/ Terminals         type of electrical connection       Connection bar         • for main current circuit       Connection bar         • for auxiliary and control circuit       screw-type terminals         • at contactor for auxiliary contacts       Screw-type terminals					
type of electrical connection       Connection bar         • for main current circuit       Connection bar         • for auxiliary and control circuit       screw-type terminals         • at contactor for auxiliary contacts       Screw-type terminals					
• for main current circuitConnection bar• for auxiliary and control circuitscrew-type terminals• at contactor for auxiliary contactsScrew-type terminals					
• for auxiliary and control circuit     screw-type terminals       • at contactor for auxiliary contacts     Screw-type terminals	type of electrical connection				
at contactor for auxiliary contacts     Screw-type terminals		Connection her			
	• for main current circuit				
• or magnet con	<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals			
	<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> </ul>	screw-type terminals Screw-type terminals			

width of connection	n bar		25 mm			
thickness of conne	ction bar		6 mm			
diameter of holes			11 mm			
number of holes			1			
type of connectable	e conductor cross-sec	tions				
<ul> <li>at AWG cables</li> </ul>	s for main contacts		2/0 500 kcmil			
connectable condu contacts	ctor cross-section for	main				
	ad		$70 - 240 \text{ mm}^2$			
<ul> <li>solid or strand</li> </ul>	ea		70 240 mm² 70 240 mm²			
stranded	star areas as stice for		70 240 mm²			
connectable condu	ctor cross-section for	auxiliary				
<ul> <li>solid or strand</li> </ul>	ed		0.5 4 mm²			
	I with core end processi	na	0.5 2.5 mm <sup>2</sup>			
-	e conductor cross-sec		0.0 2.0 mm			
		lions				
<ul> <li>for auxiliary consist</li> </ul>	macis		$O_{\rm M}$ (O E 1 E mana <sup>2</sup> )	0.v (0.7E 0.E mana <sup>2</sup> ) ma	av 2v (0.75 4 man <sup>2</sup> )	
— solid				2x (0.75 2.5 mm²), m		
— solid or s			, , ,	2x (0,75 2,5 mm²), m	ax. 2x (0,75 4 mm²)	
-	anded with core end pro	cessing	2x (0.5 1.5 mm <sup>2</sup> ),			
	s for auxiliary contacts		2x (20 16), 2x (18	14), 1x 12		
Safety related data						
product function						
<ul> <li>mirror contact</li> </ul>	<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>					
<ul> <li>positively drive 5-1</li> </ul>	en operation according t	o IEC 60947-	No			
	on the front according	g to IEC	IP00; IP20 with box terminal/cover			
	n the front according t	0 IEC 60529	finder-safe for vertic	al contact from the front	t with box terminal/cover	
-	-	0120 00323	inger-sale, for vertic			
Certificates/ approva						
General Product A	pproval			EMC	Functional Safety/Safety of Machinery	
	<u>Confirmation</u>	(ل س	EAL	RCM	Type Examination Certificate	
Declaration of Con	formity	Test Certifica	tes	Marine / Ship	pping	
UK CA	CE EG-Konf.	<u>Type Test Cer</u> ates/Test Re		ertific-	Lloyd's Register us	
Marine / Shipping			other			
	-					
PRS	RMRS	DNV-GL DNV-GL DW9LCDKDP	<u>Confirmati</u>	<u>on Confirmatio</u>	on <u>Miscellaneous</u>	
Railway						
Special Test Certific- ate						

## Further information

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=3RT1476-6AV36 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1476-6AV36 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6AV36 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1476-6AV36&lang=en Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6AV36/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1476-6AV36&objecttype=14&gridview=view1

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