## **SIEMENS**

Data sheet 3RT1476-6NP36



Contactor, AC-1, 690 A/690 V/40 °C, S12, 3-pole, 200-277 V AC/DC, PLC-IN optional, with varistor, 2 NO+2 NC, Connection rail/ screw terminal

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT14
General technical data	
size of contactor	S12
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	185.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	61.9 W
<ul> <li>without load current share typical</li> </ul>	3.6 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</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
of auxiliary circuit rated value	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	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %

Main circuit  number of NO contacts for main contacts number of NO contacts for main contacts 1	maximum	
number of No contacts for main current circuit number of No contacts for main contacts 2		
number of NC contacts for main contacts  Uppe of voltage for main current circuit  operational current  * af AC-1  — up to 680 V at ambient temperature 40 °C rated value — up to 680 V at ambient temperature 55 °C rated value — up to 680 V at ambient temperature 55 °C rated value — up to 680 V at ambient temperature 50 °C rated value — up to 680 V at ambient temperature 50 °C rated value — up to 680 V at ambient temperature 60 °C rated value — at 680 V rated value — at 680 V rated value — at 680 V rated value  — in 680 V rated value — at 680 V rated value  — in 680 V rated value  — in 680 V rated value  — in 680 V rated value  — at 680 V rated value  — object of the control		3
Description		
type of voltage for main current circuit operational current		
operational current  • at AC-01  — up to 690 V at ambient temperature 40 °C releted value — up to 690 V at ambient temperature 55 °C rolled value — up to 690 V at ambient temperature 60 °C releted value — up to 690 V at ambient temperature 60 °C releted value — at 690 V rated value — at 600 M requested value — at 600 M read value of magnet coil at AC — at 600 M read value — at 600 M read value of magnet coil at AC — at 600 M read value — at 600 M read value of magnet coil at AC — at 600 M read value — at 600 M read value of magnet coil at AC — at 600 M read value — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet coil at AC — at 600 M read value of magnet		
and AC-1  — up to 680 V at ambient temperature 40 °C related value — up to 680 V at ambient temperature 55 °C related value — up to 680 V at ambient temperature 55 °C related value — up to 680 V at ambient temperature 60 °C — related value — at 680 V rated value — at 680 Hz — at		AC
	•	
rated value  — up to 5890 Yat amblent temperature 55 °C rated value  — up to 5890 Yat amblent temperature 60 °C rated value  — at 690 V rated value  — at 800 V rated value  — at 800 V rated value  — at 800 V rated value  minimum cross-section in main circuit at maximum AC-1 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  at AC  • at DC  1 000 1/h • at DC  1 000 1/h  • at DC  1 000 1/h  2 000		600 A
rated value  — up to 690 Yst ambient temperature 60 °C rated value  • at AC.23  — at 400 V rated value  minimum cross-section in main circuit at maximum AC-1 rated value  minimum cross-section in main circuit at maximum AC-1 rated value  • at AC  • at DC  0 perating frequency  • at AC  • at DC  0 perating frequency  • at AC  • at DC  0 perating frequency at AC-1 maximum  600 1/h  Control circuit/ Control  Vipe of voltage  AC/DC  vipe of voltage at AC  • at 60 Hz rated value  • at 60 Hz  • at 60 Hz  • at 60 Hz  design of the surge suppressor  • at 60 Hz  • at 60 Hz  design of the surge suppressor  • at 60 Hz  apparent pick-up power of magnet coil at AC  • at 50 Hz  apparent pick-up power of magnet coil at AC  • at 50 Hz  apparent pick-up power of magnet coil at AC  • at 50 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  apparent holding power of magnet coil at AC  • at 60 Hz  • at 60 Hz  • at 60 Hz  apparent pick-up one of magnet coil at AC  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  apparent pick-up one of magnet coil at AC  • at 60 Hz  • a		090 A
		600 A
rated value  at AC-3  — at 400 V rated value — at 950 V rated value  minimum cross-section in main circuit at maximum AC-1 rated value  at AC  at AC  at AC  at DC  operating frequency  at AC  set DC  operating frequency at AC-1 maximum  600 th  Control circuit Control  type of voltage  AC/DC  type of voltage of the control supply voltage  control supply voltage at AC  at 50 Hz rated value  200 277 V  control supply voltage at DC  at 50 Hz rated value  200 277 V  control supply voltage at DC  at 60 Hz rated value  200 277 V  control supply voltage at DC  at 60 Hz rated value  200 277 V  control supply voltage at DC  at 60 Hz rated value  200 277 V  control supply voltage at DC  at 60 Hz rated value  200 277 V  control supply voltage at DC  at 60 Hz rated value  200 277 V  control supply voltage at DC  at 60 Hz rated value  200 277 V  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control supply voltage rated value of magnet coil at DC  a infalt value  alto Hz  at 60 Hz  at 60 Hz  at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  at 50 Hz  at 50 Hz  observed factor with closing power of the coil  at 50 Hz  observed factor with closing power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  observed factor with the holding power of the coil  at 50 Hz  obs		600 A
		000 A
minimum cross-section in main circuit at maximum AC-1 rated value no-load switching frequency	• at AC-3	
minimum cross-section in main circuit at maximum AC-1 rated value   no-load switching frequency	— at 400 V rated value	170 A
Taled value	— at 690 V rated value	170 A
Taled value		
at AC at DC operating frequency at AC-1 maximum 600 1/h control circuit/ Control type of voltage of the control supply voltage AC/DC control supply voltage at AC at 50 Hz rated value 200 277 V control supply voltage at DC rated value type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC		
• at DC operating frequency at AC-1 maximum (600 1/h (500	no-load switching frequency	
operating frequency at AC-1 maximum  Control circult/ Control  type of voltage  type of voltage  Type of voltage at AC  at 50 Hz rated value  control supply voltage at AC  at 50 Hz rated value  control supply voltage at DC  at action at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  Type 2  control input according to IEC 60947-1  Type 2  control input according to IEC 60947-1  Type 2  control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC 60 8.8  L1 00 8.8  L1	• at AC	1 000 1/h
Control circult/ Control     AC/DC       type of voltage of the control supply voltage     AC/DC       control supply voltage at AC <ul> <li>at 50 Hz rated value</li> <li>at 60 Hz rated value</li> <li>200 277 V</li> </ul> control supply voltage at DC <ul> <li>a rated value</li> <li>200 277 V</li> </ul> 200 277 V           type of PLC-control input according to IEC 60947-1             Type 2           consumed current at PLC-control input according to IEC 60947-1 maximum             20 mA               operating range factor control supply voltage rated value of magnet coil at DC <ul> <li>initial value</li> <li>full-scale value</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 60 Hz</li> <li>at 50 Hz</li> </ul> 750 VA           inductive power factor with closing power of the coil         at 50 Hz           apparent holding power of magnet coil at AC               at 50 Hz             7 VA               inductive power factor with the holding power of the coil             at 50 Hz               at 50 Hz             0.8               closing power of magnet coil at DC             800 W               holding	• at DC	1 000 1/h
type of voltage of the control supply voltage AC/DC  control supply voltage at AC  at 50 Hz rated value 200 277 V  at 60 Hz rated value 200 277 V  control supply voltage at DC  at 60 Hz rated value 200 277 V  control supply voltage at DC  at 60 Hz rated value 200 277 V  control supply voltage at DC  at 60 Hz rated value 200 277 V  type of PLC-control input according to IEC 60947-1 7  consumed current at PLC-control input according to IEC 60947-1 7  consumed current at PLC-control input according to IEC 60947-1 7  consumed current at PLC-control supply voltage rated value of magnet coil at DC  a initial value 8  full-scale value 0.8  at 50 Hz 0.8 1.1  design of the surge suppressor with a surge suppressor with varistor apparent pick-up power of magnet coil at AC  at 50 Hz 750 VA  inductive power factor with closing power of the coil  at 50 Hz 750 VA  inductive power factor with closing power of the coil  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power of magnet coil at AC  at 50 Hz 70 VA  inductive power factor with the holding power of the coil 0.8	operating frequency at AC-1 maximum	600 1/h
type of voltage of the control supply voltage control supply voltage at AC  • at 50 Hz rated value  • at 60 Hz rated value  control supply voltage at DC  • rated value  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  operating range factor control supply voltage rated value of magnet coil at DC  • initial value  • full-scale value  • at 50 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  inductive power factor with closing power of the coil  • at 50 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  closing power of magnet coil at DC  soloding power of magnet coil at DC  closing delay  • at AC  • at DC  • at DC  ac IDC  ac I	Control circuit/ Control	
control supply voltage at AC  at 50 Hz rated value  200 277 V  at 60 Hz rated value  200 277 V  control supply voltage at DC  arated value  200 277 V  type of PLC-control input according to IEC 60947-1  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1  type 2  200 277 V  200 mA  20 mA  20 mA  20 mA  3.8  and  and  and  and  and  and  and  an	type of voltage	AC/DC
at 50 Hz rated value at 60 Hz rated value 200 277 V  at 60 Hz rated value 200 277 V  by 200 277 V  type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 consumed current at PLC 60 20 mA  20 m	type of voltage of the control supply voltage	AC/DC
at 60 Hz rated value     control supply voltage at DC	control supply voltage at AC	
control supply voltage at DC  • rated value  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  operating range factor control supply voltage rated value of magnet coil at DC  • initial value  operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz  at 60 Hz  ols	<ul> <li>at 50 Hz rated value</li> </ul>	200 277 V
• rated value  type of PLC-control input according to IEC 60947-1  consumed current at PLC-control input according to IEC 60947-1 maximum  operating range factor control supply voltage rated value of magnet coil at DC  • initial value  • full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz  • at 60 Hz  • at 50 Hz  • at 50 Hz  inductive power factor with closing power of the coil  • at 50 Hz  oat 50 Hz  value for magnet coil at AC  • at 50 Hz  inductive power factor with closing power of the coil  • at 50 Hz  closing power of magnet coil at DC  value for magnet coil at DC  linductive power factor with the holding power of the coil  • at 50 Hz  closing power of magnet coil at DC  losing delay  • at AC  • at DC  opening delay  • at AC  • at DC  saccording time  20 mA  Type 2  20 mA   10 mA  11  0.8  0.8	at 60 Hz rated value	200 277 V
type of PLC-control input according to IEC 60947-1 consumed current at PLC-control input according to IEC 60947-1 maximum operating range factor control supply voltage rated value of magnet coil at DC  • initial value • full-scale value  operating range factor control supply voltage rated value of magnet coil at AC • at 50 Hz • at 60 Hz  inductive power of magnet coil at AC • at 50 Hz  apparent pick-up power of magnet coil at AC • at 50 Hz  inductive power factor with closing power of the coil • at 50 Hz  apparent holding power of magnet coil at AC • at 50 Hz  inductive power factor with the holding power of the coil • at 50 Hz  apparent holding power of magnet coil at AC • at 50 Hz  inductive power factor with the holding power of the coil • at 50 Hz  closing power of magnet coil at DC  doing delay • at AC • at DC	control supply voltage at DC	
consumed current at PLC-control input according to IEC 60947-1 maximum operating range factor control supply voltage rated value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  design of the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz  inductive power factor with closing power of the coil at 50 Hz  apparent holding power of magnet coil at AC  at 50 Hz  apparent holding power of magnet coil at AC  at 50 Hz  at 50 Hz  7 VA  inductive power factor with the holding power of the coil at 50 Hz  at 50 Hz  at 50 Hz  0.8  closing power of magnet coil at DC  at 50 Hz  0.8  closing power of magnet coil at DC  3.6 W  closing delay  at AC  at AC  at DC  opening delay  at AC  at DC  80 100 ms  at DC  10 15 ms	rated value	200 277 V
operating range factor control supply voltage rated value of magnet coil at DC  • initial value  • full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz  • at 60 Hz  • at 50 Hz  • at 50 Hz  inductive power factor with closing power of the coil  • at 50 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  aparent holding power of magnet coil at AC  • at 50 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  closing power of magnet coil at DC  solding power of magnet coil at DC  closing delay  • at AC  • at DC	type of PLC-control input according to IEC 60947-1	Type 2
value of magnet coil at DC  initial value  full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  at 50 Hz  roto Hz  inductive power factor with closing power of the coil  at 50 Hz  apparent holding power of magnet coil at AC  at 50 Hz  inductive power factor with the holding power of the coil  at 50 Hz  inductive power factor with the holding power of the coil  at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  closing delay  at AC  at		20 mA
initial value full-scale value full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  at 50 Hz  at 60 Hz  design of the surge suppressor apparent pick-up power of magnet coil at AC  at 50 Hz  tinductive power factor with closing power of the coil at 50 Hz  apparent holding power of magnet coil at AC  at 50 Hz  apparent holding power of magnet coil at AC  at 50 Hz  tinductive power factor with the holding power of the coil at 50 Hz  at 50 Hz  to at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  so at 50 Hz  closing delay  at AC  a		
operating range factor control supply voltage rated value of magnet coil at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  design of the surge suppressor apparent pick-up power of magnet coil at AC  • at 50 Hz  inductive power factor with closing power of the coil • at 50 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  holding power of magnet coil at DC  closing delay  • at AC  • at AC  • at AC  • at AC  • at DC  so ms  • at DC  arcing time  10 15 ms	-	0.8
value of magnet coil at AC  • at 50 Hz  • at 60 Hz  design of the surge suppressor  apparent pick-up power of magnet coil at AC  • at 50 Hz  inductive power factor with closing power of the coil • at 50 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  holding power of magnet coil at DC  closing delay  • at AC  • at DC  opening delay  • at AC  • at DC  arcing time  10 15 ms	• full-scale value	1.1
at 50 Hz at 60 Hz at 60 Hz design of the surge suppressor apparent pick-up power of magnet coil at AC at 50 Hz at 50 Hz at 50 Hz apparent holding power of the coil at 50 Hz apparent holding power of magnet coil at AC at 50 Hz apparent holding power of magnet coil at AC at 50 Hz apparent holding power of magnet coil at AC at 50 Hz are factor with the holding power of the coil at 50 Hz at 50 Hz at 50 Hz at 50 Hz blook at 50 Hz at 50 Hz at 50 Hz blook at 50 Hz at 50 Hz at 50 Hz blook at 50 Hz at 50 Hz blook blook at 50 Hz at 50 Hz at 50 Hz blook at 50 Hz at 50 Hz blook at 50 Hz at 50 Hz blook at 50 Hz blook at 50 Hz at 50 Hz blook		
design of the surge suppressor apparent pick-up power of magnet coil at AC  • at 50 Hz inductive power factor with closing power of the coil • at 50 Hz apparent holding power of magnet coil at AC • at 50 Hz apparent holding power of magnet coil at AC • at 50 Hz inductive power factor with the holding power of the coil • at 50 Hz closing power of magnet coil at DC holding power of magnet coil at DC closing delay • at AC • at AC • at AC • at DC at AC • at DC 80 100 ms arcing time 10 15 ms	● at 50 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC  • at 50 Hz  inductive power factor with closing power of the coil • at 50 Hz  apparent holding power of magnet coil at AC • at 50 Hz  inductive power factor with the holding power of the coil • at 50 Hz  inductive power factor with the holding power of the coil • at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  closing delay • at AC • at DC  opening delay • at AC • at DC  at DC  at AC • at DC  opening delay • at AC • at DC  opening delay • at AC • at DC  at DC  at DC  at DC  so 100 ms  arcing time	• at 60 Hz	0.8 1.1
• at 50 Hz  inductive power factor with closing power of the coil     • at 50 Hz  apparent holding power of magnet coil at AC     • at 50 Hz  inductive power factor with the holding power of the coil     • at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  closing delay     • at AC     • at DC  oeat AC     • at DC  oeat AC     • at DC  at AC     • at DC  oeat AC     • at DC  at AC     • at DC  oeat AC  oeat	design of the surge suppressor	with varistor
inductive power factor with closing power of the coil  ● at 50 Hz  apparent holding power of magnet coil at AC  ● at 50 Hz  inductive power factor with the holding power of the coil  ● at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  closing delay  ● at AC  ● at DC  opening delay  ● at AC  ● at DC  at AC  ● at DC  so 100 ms  e at DC  arcing time  10 15 ms	apparent pick-up power of magnet coil at AC	
● at 50 Hz  apparent holding power of magnet coil at AC  ● at 50 Hz  inductive power factor with the holding power of the coil  ● at 50 Hz  Closing power of magnet coil at DC  holding power of magnet coil at DC  tosing delay  ● at AC  ● at DC  opening delay  ● at AC  ● at DC  at AC  ● at DC  opening delay  ● at AC  ● at DC  at AC  ● at DC  opening delay  ● at AC  ● at DC  at AC  ● at DC  opening delay  ● at AC  ● at DC  at DC  at DC  at DC  opening delay  ● at AC  ● at DC  et DC  at DC  at DC  et DC		750 VA
apparent holding power of magnet coil at AC  • at 50 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  closing delay  • at AC  • at DC  opening delay  • at AC  • at DC  80 100 ms  • at DC  80 100 ms  arcing time	inductive power factor with closing power of the coil	
<ul> <li>at 50 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>closing power of magnet coil at DC</li> <li>holding power of magnet coil at DC</li> <li>3.6 W</li> <li>closing delay</li> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at AC</li> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at AC</li> <li>at AC</li> <li>at DC</li> <li>at DC<!--</th--><th></th><th>0.8</th></li></ul>		0.8
inductive power factor with the holding power of the coil  • at 50 Hz  closing power of magnet coil at DC  holding power of magnet coil at DC  closing delay  • at AC  • at DC  opening delay  • at AC  • at DC  at DC  800 W  60 90 ms  60 90 ms  60 90 ms  opening delay  • at AC  • at DC  80 100 ms  • at DC  80 100 ms  arcing time		7 VA
closing power of magnet coil at DC         800 W           holding power of magnet coil at DC         3.6 W           closing delay <ul></ul>	inductive power factor with the holding power of the	
holding power of magnet coil at DC       3.6 W         closing delay <ul> <li>at AC</li> <li>at DC</li> <li>60 90 ms</li> </ul> opening delay <ul> <li>at AC</li> <li>at DC</li> <li>at DC</li> <li>at DC</li> </ul> o at DC       80 100 ms         arcing time       10 15 ms	• at 50 Hz	0.8
closing delay       60 90 ms         • at DC       60 90 ms         opening delay       60 90 ms         • at AC       80 100 ms         • at DC       80 100 ms         arcing time       10 15 ms	closing power of magnet coil at DC	800 W
<ul> <li>at AC</li> <li>60 90 ms</li> <li>60 90 ms</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>80 100 ms</li> <li>at DC</li> <li>80 100 ms</li> <li>100 ms</li> <li>100 ms</li> </ul>	holding power of magnet coil at DC	3.6 W
● at DC  opening delay  ● at AC  ● at DC  80 100 ms  ● at DC  80 100 ms  10 15 ms	closing delay	
opening delay         ● at AC       80 100 ms         ● at DC       80 100 ms         arcing time       10 15 ms	• at AC	60 90 ms
<ul> <li>at AC</li> <li>at DC</li> <li>at DC</li> <li>arcing time</li> <li>80 100 ms</li> <li>10 15 ms</li> </ul>	• at DC	60 90 ms
● at DC 80 100 ms  arcing time 10 15 ms	opening delay	
arcing time 10 15 ms	• at AC	80 100 ms
	• at DC	80 100 ms
control version of the switch operating mechanism  PI C-IN or Standard A1 - A2 (adjustable)	arcing time	10 15 ms
TEO IN OF Old Indian All The Common operating incommissing	control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)

Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
attachable	4
instantaneous contact	2
number of NO contacts for auxiliary contacts	2
attachable	4
• instantaneous contact	2
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A
<ul> <li>at 400 V rated value</li> </ul>	3 A
• at 500 V rated value	2 A
<ul> <li>at 690 V rated value</li> </ul>	1 A
operational current at DC-13	
<ul><li>at 24 V rated value</li></ul>	10 A
<ul><li>at 48 V rated value</li></ul>	2 A
<ul><li>at 60 V rated value</li></ul>	2 A
• at 110 V rated value	1 A
• at 125 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 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	
product function short circuit protection	No
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 800 A (690 V, 50 kA)
<ul> <li>— with type of assignment 2 required</li> </ul>	gR: 710 A (690 V, 100 kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
	gG: 10 A (500 V, 1 kA)
required	gG: 10 A (500 V, 1 kA)  with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
required Installation/ mounting/ dimensions mounting position fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
required Installation/ mounting/ dimensions mounting position  fastening method • side-by-side mounting	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes
required Installation/ mounting/ dimensions mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm
required Installation/ mounting/ dimensions mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm
required Installation/ mounting/ dimensions mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm  20 mm 10 mm 10 mm 0 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm  0 mm  0 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm  0 mm  20 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm  0 mm  10 mm  10 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm  0 mm  20 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm  0 mm  10 mm  10 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm  0 mm  10 mm  10 mm  10 mm  10 mm  10 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm  20 mm 10 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm  0 mm  10 mm  10 mm  10 mm  10 mm  10 mm  10 mm
required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing  Yes  214 mm  160 mm  225 mm  20 mm  10 mm
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required  Installation/ mounting/ dimensions  mounting position  fastening method	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 214 mm 160 mm 225 mm  20 mm 10 mm

at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar	25 mm
thickness of connection bar	6 mm
diameter of holes	11 mm
number of holes	1
type of connectable conductor cross-sections	
at AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main contacts	
<ul> <li>solid or stranded</li> </ul>	70 240 mm²
• stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
<ul><li>— solid or stranded</li></ul>	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG cables for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12
Safety related data	
product function	
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
<ul> <li>positively driven operation according to IEC 60947-</li> <li>5-1</li> </ul>	No
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Certificates/ approvals	



**General Product Approval** 

Confirmation









**EMC** 

Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	Marine / Shipping
Type Examination Certificate	UK Declaration of Conformity  EG-Konf.	Type Test Certific Special Test Certific ates/Test Report ate	ABS

Marine / Shipping other









Confirmation

Confirmation

other Railway

Special Test Certificate Miscellaneous

## **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=3RT1476-6NP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1476-6NP36

 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$ 

https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6NP36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

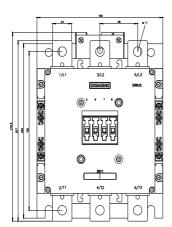
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1476-6NP36&lang=en

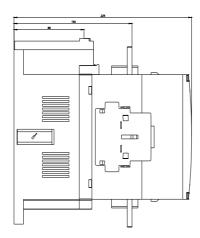
Characteristic: Tripping characteristics, I²t, Let-through current

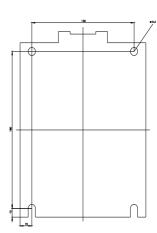
https://support.industry.siemens.com/cs/ww/en/ps/3RT1476-6NP36/char

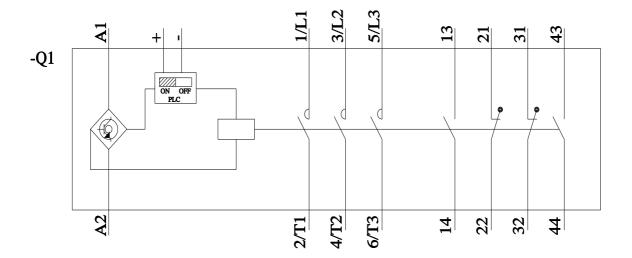
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1476-6NP36&objecttype=14&gridview=view1









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