## SIEMENS

## Data sheet

## 3RT1266-6AF36



vacuum contactor AC-3e/AC-3 300 A, 160 kW / 400 V, 3-pole, Uc: 110-127 V AC(50-60 Hz) / DC drive: conventional auxiliary contacts 2 NO + 2 NC main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
General technical data	
size of contactor	S10
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>	42 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	14 W
<ul> <li>without load current share typical</li> </ul>	8.2 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
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
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 (operating 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 maximum	95 %

lain circuit	2
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V
operational current	
• at AC-1 at 400 V at ambient temperature 40 °C rated value	330 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	330 A
— up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	330 A
— up to 1000 V at ambient temperature 60 °C rated value	300 A
• at AC-3	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	300 A
— at 1000 V rated value	300 A
• at AC-3e	
— at 400 V rated value	300 A
— at 500 V rated value	300 A
— at 690 V rated value	300 A
— at 1000 V rated value	300 A
• at AC-4 at 400 V rated value	280 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	300 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	300 A
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	300 A
<ul> <li>— up to 690 V for current peak value n=20 rated value</li> </ul>	300 A
— up to 1000 V for current peak value n=20 rated value	300 A
• at AC-6a	
<ul> <li>— up to 230 V for current peak value n=30 rated value</li> </ul>	209 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	209 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	209 A
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	209 A
<ul> <li>— up to 1000 V for current peak value n=30 rated value</li> </ul>	209 A
minimum cross-section in main circuit at maximum AC-1 rated value	185 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	140 A
• at 690 V rated value	140 A
operating power	
• at AC-3	
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	400 kW
• at AC-3e	
— at 230 V rated value	90 kW
— at 400 V rated value	160 kW
— at 500 V rated value	200 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	400 kW
operating power for approx. 200000 operating cycles at AC-	

a at 400 V rated value	70 MM
at 400 V rated value	79 kW
at 690 V rated value	138 kW
operating apparent power at AC-6a	
• up to 230 V for current peak value n=20 rated value	120 000 kVA
• up to 400 V for current peak value n=20 rated value	200 000 VA
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	260 000 VA
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	350 000 VA
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	520 000 VA
operating apparent power at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	80 000 VA
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	140 000 VA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	180 000 VA
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	250 000 VA
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	360 000 VA
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	750 1/h
• at AC-2 maximum	250 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	250 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	110 127 V
• at 60 Hz rated value	110 127 V
control supply voltage at DC	
rated value	110 127 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	
● at 50 Hz	590 VA
• at 60 Hz	590 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power of magnet coil at AC	
• at 50 Hz	6.1 VA
• at 60 Hz	6.1 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
closing power of magnet coil at DC	700 W
holding power of magnet coil at DC	8.2 W
closing delay	
• at AC	30 95 ms
• at DC	30 95 ms
opening delay	
• at AC	40 80 ms
• at DC	40 80 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 instantaneous	2
contact	2
number of NO contacts for auxiliary contacts instantaneous	2
contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	6 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	6 A
• at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	1 A
• at 600 V rated value	0.15 A
operational current at DC-13	
• at 24 V rated value	10 A
• at 48 V rated value	2 A
• at 60 V rated value	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
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	302 A
at 600 V rated value	289 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 200/208 V rated value	100 hp
- at 220/230 V rated value	125 hp
- at 460/480 V rated value	250 hp
— at 575/600 V rated value	300 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
for short-circuit protection of the main circuit	aG: 500 A (690 V 100 KA)
— with type of assignment 2 required	gG: 500 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50
- with type of assignment 2 required	gG: 500 A (690 V, 100 KA), am: 400 A (690 V, 50 KA), BS88: 450 A (415 V, 50 kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward
	and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface
fastening method	screw fixing
<ul> <li>side-by-side mounting</li> </ul>	Yes
height	210 mm
width	145 mm
depth	206 mm
required spacing	
with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
<ul> <li>for grounded parts</li> </ul>	

- unusual       10 mm         - at the sole       10 mm         - at the sole       10 mm         - or voor width       10 mm         - unvoor width       0 mm         - unvoor width       0 mm         - or width       0 mm <tr< th=""><th>— forwards</th><th>20 mm</th></tr<>	— forwards	20 mm
• for low parts     • for wants     • downwards     • do		
- Invarids         20 mm		10 mm
		20 mm
- ownwards     10 mm       - a the ade     10 mm       Operations: Trainable     Image: Comparison of the Comparison of th		
Connectional Terminals         Type of decrifical connection <ul> <li>for main correct circuit</li> <li>a contaction for auxiliary and control circuit</li> <li>a contaction for auxiliary contacts</li> <li>Screw-kype terminals</li> <li>Screw-kype te</li></ul>		
type of electrical connection <ul> <li>of main current circuit</li> <li>of main current circuit</li> <li>of main current circuit</li> <li>at contactor for auxiliary contacts</li> <li>Screw-type terminals</li> <li>Screw-type terminals<!--</td--><td></td><td>10 mm</td></li></ul>		10 mm
• Or auxiliary and control circuit       screw-type terminals         • at contactor for auxiliary contacts       Screw-type terminals         • of magnet coll       Screw-type terminals         width of connection bar       25 mm         diameter of holes       1         • number of holes       1         • connection bar       0.5 4 mm <sup>2</sup> • connection conductor cross-section for main contacts       0.5 4 mm <sup>2</sup> • solid or stranded       0.5 4 mm <sup>2</sup> • contactable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>2</sup> • solid or stranded       2.5 4 mm <sup>2</sup> • solid or stranded       Connectable conductor cross-se		
e at contactor for auxiliary contacts     e of magnet coll     sorew-type terminals     Screw-type terminals     Scr		
with of connection bar       25 mm         with of connection bar       6 mm         diameter of holes       11 mm         connectable conductor cross-section for main contacts       9 mm <sup>-1</sup> e standed       70 240 mm <sup>-1</sup> connectable conductor cross-section for auxiliary contacts       0 5 4 mm <sup>-1</sup> e solid or stranded       0 5 4 mm <sup>-1</sup> e solid or stranded       0 5 4 mm <sup>-1</sup> e solid or stranded       2x (0 5 15 mm <sup>-1</sup> ), 2x (0 75 25 mm <sup>-1</sup> ), max. 2x (0, 75 4 mm <sup>-1</sup> )         e solid or stranded       2x (0 5 15 mm <sup>-1</sup> ), 2x (0 75 25 mm <sup>-1</sup> ), max. 2x (0, 75 4 mm <sup>-1</sup> )         e solid or stranded       2x (0 5 15 mm <sup>-1</sup> ), 2x (0 75 25 mm <sup>-1</sup> ), max. 2x (0, 75 4 mm <sup>-1</sup> )         e solid or stranded       2x (0 5 15 mm <sup>-1</sup> ), 2x (0 75 25 mm <sup>-1</sup> ), max. 2x (0, 75 4 mm <sup>-1</sup> )         e solid or stranded       2x (0 5 15 mm <sup>-1</sup> ), 2x (0 75 25 mm <sup>-1</sup> )         e solid or stranded       9 mm <sup>-1</sup> e solid or stranded       10 14         Satery plated data       10 14         section       10 14         section class IP on the front according to IEC 60947-5-1       Yes         e nimor contact according to IEC 60947-5-1       Yes         protection class IP on the front according to IEC 60929       For writical cont	-	
width of connection bar     25 mm       flickness of connection bar     6 mm       diameter of holes     11 mm       number of holes     1       connectable conductor cross-section for main contacts     70 240 mm²       e side conductor cross-section for auxiliary contacts     0.5 4 mm²       e side or standed     0.5 4 mm²       e finely standed with core end processing     0.5 4 mm²       e finely standed with core end processing     2x (0.5 15 mm²), 2x (0.75 25 mm²), max, 2x (0.75 4 mm²)       e for auxiliary contacts     2x (0.5 15 mm²), 2x (0.75 25 mm²), max, 2x (0.75 4 mm²)       e for auxiliary contacts     2x (0.5 15 mm²), 2x (0.75 25 mm²)       e for auxiliary contacts     2x (0.5 15 mm²), 2x (0.75 4 mm²)       e for auxiliary contacts     2x (0.5 15 mm²), 2x (0.75 25 mm²)       e for auxiliary contacts     18 14       Statistic collects in auxiliary contacts     18 14       Statistic collects in auxiliary contacts     18 14       Statistic collects in the fort according to IEC 60529     1900; IP20 with tox terminal/cover       rotuct collect auxiliary contacts     20 a       e for auxiliary contacts     12 0 a       interview of the fort according to IEC 60529     1900; IP20 with tox terminal/cover       statistility for use     e state-reside of use in the fort according to IEC 60529   <	-	
Hickness of connection bar       6 mm         clameter of holes       11 mm         number of holes       1         connectable conductor cross-section for main contacts       70 240 mm²         connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         sinde stranded       0.5 4 mm²         ocnnectable conductor cross-sections       0.5 2.5 mm²         for auxiliary contacts       2x (0.5 15 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - solid       2x (0.5 15 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - solid or stranded       2x (0.5 15 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - solid very stranded with core end processing       2x (0.5 15 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - solid very stranded with core end processing       2x (0.5 15 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - solid very stranded with core end processing       2x (0.5 15 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)         - for auxiliary contacts       18 14         Setty related data       9         product function       19 14         Yes       19 14         Setty related auxiliary contacts       19 14         Very for the front according to IEC 60929       10 EC		
diameter of holes       11 mm         number of holes       1         connectable conductor cross-section for main contacts       70 240 mm²         connectable conductor cross-section for auxiliary contacts       0.5 4 mm²         e sind diof or standed       0.5 4 mm²         - solid       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - solid or standed       2x (0.5 15 mm²), 2x (0.75 2.5 mm²)         - or sulfary contacts       18 14         Start or stander       18 14         Start or start corolid tacoroling to IEC 60847.5-1       No <td></td> <td></td>		
number of holes     1       connectable conductor cross-section for main contacts     70240 mm²       connectable conductor cross-section for auxiliary contacts     0.54 mm²       sidid or stranded     0.52.5 mm²       type of connectable conductor cross-sections     0.52.5 mm²       - solid     - solid       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²), max. 2x (0.754 mm²)       - solid or stranded     - solid or stranded       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²), max. 2x (0.754 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²), max. 2x (0.754 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²)       - solid or stranded     2x (0.515 mm²), 2x (0.752.5 mm²)       - solid or stranded     1014       - solid or stranded     1014       - solid or stranded     1014       Poduct function     1014       - solid or solid or sording to IEC 60929     1014 </td <td></td> <td></td>		
connectable conductor cross-section for nain contacts     70 240 mm³       connectable conductor cross-section for auxiliary contacts     0.5 2.5 mm³       vipro of connectable conductor cross-sections     0.5 2.5 mm³       vipro of contactable conductor cross-sections     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       vipro of contactable conductor cross-sections     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       vipro of contactable conductor cross-section     2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)       vipro of contactable conductor cross-section     18 14       Safety roleted data     18 14       Safety roleted data     190; IP20 with box terminaticover       route proof test interval or service life according to IEC 60947.5-1     No       protection class IP on the front according to IEC 60947.5-1     No       so safety-related switching OFF     Yes       so safety-related switching OFF     Yes       coct     190; IP20 with box terminaticover       floage-safe, for vertical contact from the front with box terminaticover       so safety-related switching OFF     Yes       cordi	diameter of holes	11 mm
• stranded       70 240 mm³         • elocitor cross-section for auxiliary contacts       0.5 4 mm³         • or auxiliary contacts       0.5 25 mm³.         • or auxiliary contacts       - solid         • - solid       - solid or stranded         • - solid       - solid or stranded         • - solid or stranded       - solid or stranded         • - solid or stranded       - solid or stranded         • or auxiliary contacts       - solid - solid or auxiliary contacts         • or auxiliary contacts       - solid - solid - solid or auxiliary contacts         • or auxiliary contacts       - solid - s	number of holes	1
connectable conductor cross-section for auxiliary contacts       0.5 4 mm <sup>2</sup> • olid or stranded       0.5 4 mm <sup>2</sup> • freigistrandar with core end processing       0.5 4 mm <sup>2</sup> • or auxiliary contacts       - solid         • solid or stranded       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max 2x (0.75 4 mm <sup>2</sup> )         2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max 2x (0.75 4 mm <sup>2</sup> )         • or auxiliary contacts       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max 2x (0.75 4 mm <sup>2</sup> )         • or auxiliary contacts       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         • or auxiliary contacts       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         • or auxiliary contacts       2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> )         • or auxiliary contacts       18 14         Safety related data       19 14         protection cates according to IEC 60947-5-1       No         1 value for proof test interval or service life according to IEC 60529       IPO0 (IPO with box terminal/cover         stability for use       • safety-related with oor end processage       e 4 mm <sup>2</sup> • safety-related switching OFF       Yes       Ves         Centeral Product Approval       Confirmation       KC         EMC       Functional chinery       Confirmation Cer: ficate       Confi	connectable conductor cross-section for main contacts	
<ul> <li>esclid or stranded</li> <li>e. Indry stranded with core end processing</li> <li>b. S 4 mm<sup>4</sup></li> <li>0. S 2. 5 mm<sup>3</sup></li> <li>e cold</li> <li>e cold or stranded</li> <li>e cold connectable conductor cross</li> <li>e cold connectable c</li></ul>	stranded	70 240 mm²
• finely stranded with core and processing     0.52.5 mm <sup>3</sup> Ype of connectable conductor cross-sections     • solid       • a solid     - solid       • a solid or stranded     - (0.51.5 mm <sup>3</sup> ), 2x (0.752.5 mm <sup>3</sup> ), max. 2x (0.754 mm <sup>3</sup> ), 2x (0.752.5 mm <sup>3</sup> ), max. 2x (0.754 mm <sup>3</sup> ), 2x (0.51.5 mm <sup>3</sup> ), 2x (0.752.5 mm <sup>3</sup> ), max. 2x (0.754 mm <sup>3</sup> ), 2x (0.51.5 mm <sup>3</sup> ), 2x (0.51.5 mm <sup>3</sup> ), 2x (0.752.5 mm <sup>3</sup> ), max. 2x (0.754 mm <sup>3</sup> ), 2x (0.51.5 mm <sup>3</sup> ), 2x (0.752.5 mm <sup>3</sup> ), max. 2x (0.754 mm <sup>3</sup> ), 2x (0.51.5 mm <sup>3</sup> ), 2x (0.54 mm <sup>3</sup> ), 2x (0.54 mm <sup>3</sup> ), 2x (0.54 mm <sup>3</sup> ), 2x (0.51.5 mm <sup>3</sup> ), 2x (0.54 mm <sup>3</sup>	connectable conductor cross-section for auxiliary contacts	
type of connectable conductor cross-sections         • for auxiliary contacts         - solid         - solid or stranded         - finely stranded with core and processing         • for AWG cables for auxiliary contacts         AWG number as coded connectable conductor cross         section         • for auxiliary contacts         AWG number as coded connectable conductor cross         section         • for auxiliary contacts         Bately related data         product function         • on the front according to IEC 60947-5-1         No         20 a         Bately related data         product function         • on the front according to IEC 60947-5-1         No         21 value for proof test interval or service life according to IEC 60947-5-1         No         20 a         Bately related witching OFF         velse is asety-related switching OFF         Yes         Confirmation         estify/slately of Ma-         estery/slately of Ma-         Chinesy         Micrate         Statey/slately of Ma-         Chinesy         Micrate         Statey/slately of Ma-	<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²
• for auxiliary contacts       - solid       2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • a solid or stranded       - fnely stranded with core end processing       - 2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 2x (0.5 1.5 mm <sup>3</sup> ), 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 15 mm <sup>3</sup> , 2x (0.75 2.5 mm <sup>3</sup> ), max. 2x (0.75 4 mm <sup>9</sup> )         • for auxiliary contacts       - 16 mm <sup>3</sup> • for auxiliary contacts       - 16 mm <sup>3</sup> • for auxiliary contacts       - 16 mm <sup>3</sup> • positively driven operation according to IEC 60529       - 1900 (IP20 with box terminal/cover         • ately related auxiliary contacts	<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²
<ul> <li>- solid</li> <li>- solid or standed</li> <li>- solid or sullary contacts</li> <li>- solid - solid or s</li></ul>	type of connectable conductor cross-sections	
	<ul> <li>for auxiliary contacts</li> </ul>	
- finely stranded with core end processing       2x (0.51.5 mm <sup>2</sup> ), 2x (0.752.5 mm <sup>2</sup> )         • for AWG cables for auxiliary contacts       2x (0.51.5 mm <sup>2</sup> ), 2x (1814), 1x 12         • for auxiliary contacts       1814         • for auxiliary contacts       1814         • for auxiliary contact according to IEC 60947-4-1       Yes         • positively driven operation according to IEC 60947-5-1       No         1 value for proof test interval or service life according to IEC 60529       IPO0; IP20 with box terminal/cover         1 value for totat conding to IEC 60529       IPO0; IP20 with box terminal/cover         1 subtively driven operation according to IEC 60529       IPO0; IP20 with box terminal/cover         subtibility for use       Ves         • safety-related switching OFF       Ves         Confirmation       Confirmation         Secc       Ves         Confirmation       Safety/Safety of Maching         Seco       Exc       Ves         Confirmation       Safety/Safety of Maching       Declaration of Conformity         Safety/Safety of Maching Cer       Safety/Safety of Maching       Safety/Safety of Maching         EMC       Functional Safety/Safety of Maching Cer       Safety/Safety of Maching         Safety/Safety of Maching Cer       Bifcate       Ves       Safety/Safet	— solid	2x (0.5 1.5 mm <sup>2</sup> ), 2x (0.75 2.5 mm <sup>2</sup> ), max. 2x (0.75 4 mm <sup>2</sup> )
• for AWG cables for auxiliary contacts       2x (20 16), 2x (18 14), 1x 12         AWG number as coded connectable conductor cross section       18 14         • for auxiliary contacts       18 14         Statey related data       18 14         Product function       18 14         • positively driven operation according to IEC 60947-4-1       Yes         • positively driven operation according to IEC 60947-5-1       No         T1 value for proof test interval or service life according to IEC 60529       IP00; IP20 with box terminal/cover         fouch protection on the front according to IEC 60529       IP00; IP20 with box terminal/cover         stately-related switching OFF       Yes         Cortificates/ approval       Yes         Confirmation       Efficience         Weight Stately of Machinery       Declaration of Conformity         Efficience       Stately/Stately of Machinery         chinery       Declaration of Conformity         Test Certificates       Special Test Certific- ates Test Report         Efficience       Special Test Certific- ates Test Report	— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
AWG number as coded connectable conductor cross section       18 14         Safety related data       Image: conduct function         Product function       • mirror contact according to IEC 60947-5-1         No       20 a         T1 value for pool test interval or service life according to IEC 60529       IPO0; IP20 with box terminal/cover         protection class IP on the front according to IEC 60529       IPO0; IP20 with box terminal/cover         touch protection on the front according to IEC 60529       IPO0; IP20 with box terminal/cover         suitability for use       • safety-related switching OFF       Yes         Certificates/ approvals       Yes       Effect         Certificates/ approvals       Confirmation       KC       Effect         EMC       Functional Safety/Safety of Ma- chinory       Declaration of Conformity       Test Certificates         EMC       Functional Safety/Safety of Ma- chinory       Effect       Special Test Certific ate       Type Test Certific- ate         Effect       If call       Effect       Special Test Certific- ate       Type Test Certific- ate       Type Test Certific- ate	<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
section       16 14         Section       18 14         Section       number of auxiliary contacts         product function       number of according to IEC 60947-5-1         1 value for proof test interval or service life according to IEC 60529       20 a         protection class IP on the front according to IEC 60529       IPO0; IP20 with box terminal/cover         tuch protection on the front according to IEC 60529       IPO0; IP20 with box terminal/cover         suitability for use	<ul> <li>for 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 60947-5-1</li> <li>positively driven operation according to IEC 60947-5-1</li> <li>No</li> <li>20 a</li> <li>grotection class IP on the front according to IEC 60529</li> <li>protection class IP on the front according to IEC 60529</li> <li>protection class IP on the front according to IEC 60529</li> <li>protection class IP on the front according to IEC 60529</li> <li>suitability for use         <ul> <li>safety-related switching OFF</li> <li>ves</li> </ul> </li> <li>Confirmation</li> <li>Cconfirmation</li> <li>Ccc</li> <li>Cc</li></ul>		
product function     • mirror contact according to IEC 60947-4-1     Yes       • positively driven operation according to IEC 60947-5-1     No       T1 value for proof test interval or service life according to IEC 60529     20 a       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     IP00; IP20 with box terminal/cover       suitability for use     • safety-related switching OFF       • safety-related switching OFF     Yes       Cortificates/ approvals     Yes       General Product Approvals     Confirmation       EMC     Functional safety/Safety of Machiner, tificate       Safety/Safety of Machiner, tificate     Declaration of Conformity       Test Certificates     Type Examination Certificates       tificate     Type Examination Certificates       tificate     Type Examination Certificates	<ul> <li>for auxiliary contacts</li> </ul>	18 14
• mirror contact according to IEC 60947-4-1       Yes         • positively driven operation according to IEC 60947-5-1       No         T1 value for proof test interval or service life according to IEC 60529       20 a         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       IP00; IP20 with box terminal/cover         suitability for use       • safety-related switching OFF       Yes         • safety-related switching OFF       Yes       Ves         Certificates/ approvals         General Product Approval         Emerc       Functional Safety/Safety of Maccord Ma	Safety related data	
• positively driven operation according to IEC 60947-5-1       No         T1 value for proof test interval or service life according to IEC 60529       20 a         protection class IP on the front according to IEC 60529       IP00; IP20 with box terminal/cover         suitability for use       • safety-related switching OFF       Yes         Cortificates/ approvals       Yes         General Product Approval       KC       EMC         Functional safety/Safety of Machinery       Declaration of Conformity       Test Certificates         EMC       Functional chine Certificate       Excentificate       Special Test Certificate         EMC       Functional chine Certificate       Declaration of Conformity       Test Certificates         EMC       Type Examination Certificate       Excentificate       Special Test Certificate         EXC       Functional chine Certificate       Special Test Certificate       Special Test Certificate         EXC       Functional chine Certificate       Special Test Certificate       Special Test Certificate         EXC       Functional chine Certificate       Special Test Certificate       Special Test Certificate         EXC       Functional chine Certificate       Special Test Certificate       Special Test Certificate         EXC       Functional chine Certificate       Special Test Certificate	product function	
T1 value for proof test interval or service life according to IEC       20 a         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       IP00; IP20 with box terminal/cover         suitability for use       • safety-related switching OFF       Yes         Certificates/ approvals       Yes         General Product Approval       EMC       Functional Safety/Safety of Machinery         EMC       Functional Safety/Safety of Machinery       Declaration of Conformity       Test Certificates         EMC       Functional Safety/Safety of Machinery       Declaration of Conformity       Test Certificates         EMC       Functional Safety/Safety of Machinery       EEC Exemt.       Special Test Certificates         EMC       Functional Safety/Safety of Machinery       Declaration of Conformity       Test Certificates         EMC       Functional Safety/Safety of Machinery       Declaration of Conformity       Test Certificates	<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes
61508       IP00; IP20 with box terminal/cover         touch protection on the front according to IEC 60529       IP00; IP20 with box terminal/cover         suitability for use       • safety-related switching OFF       Yes         Certificates/ approvals         EMC       Functional Safety/Safety of Machinery         Declaration of Conformity       Test Certificates         EMC       Type Examination Certificate         Life colspan="2">Certificate         Certificate         EMC       Special Test Certificate         Type Examination Certificate         Life colspan= 2         Certificate         Certificate         Cer	<ul> <li>positively driven operation according to IEC 60947-5-1</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         suitability for use       - safety-related switching OFF       Yes         Certificates/ approval         KC         Certificates/ approval         Confirmation         CCC         Certificates/ approval         KC         EMC         Functional safety/Safety of Machinery         Certificates         Type Examination Certificate         USE Confirmation         Certificate         EMC         Functional Safety/Safety of Machinery         Declaration of Conformity         Type Examination Certificate         USEC         Certificate         Type Examination Certificate         Confirmation Certificate         Certificate         Certificate         Special Test Certificates	T1 value for proof test interval or service life according to IEC	20 a
touch protection on the front according to IEC 60529       finger-safe, for vertical contact from the front with box terminal/cover         suitability for use         • safety-related switching OFF       Yes         Certificates/ approvals         Certificates/ approvals         Certificates/ approvals         Confirmation       Confirmation       Confirmation       KC       Efficience         EMC       Functional Safety/Safety of Machinery       Declaration of Conformity       Test Certificates       Type Test Certificates         EMC       Type Examination Certificate       Efficience       Efficience       Efficience       Type Test Certificates         Efficience       Type Examination Certificate       Efficience       Type Test Certificates       Type Test Certificates         Efficience       Efficience       Efficience       Type Test Certificates       Type Test Certificates		
suitability for use • safety-related switching OFF       Yes         Certificates/ approvals       Confirmation       Yes         General Product Approval       Confirmation       Yes         EMC       Functional Safety/Safety of Ma- chinery       Declaration of Conformity L       Test Certificates         Image: Wide Safety/Safety of Ma- chinery       Declaration of Conformity       Test Certificates         Image: Wide Safety/Safety of Ma- chinery       Declaration of Conformity       Test Certificates         Image: Wide Safety/Safety of Ma- chinery       Declaration of Conformity       Test Certificates         Image: Wide Safety/Safety of Ma- chinery       Declaration of Conformity       Test Certificates         Image: Wide Safety/Safety of Ma- chinery       Declaration of Conformity       Test Certificates         Image: Wide Safety/Safety of Ma- chinery       Declaration of Conformity       Test Certificates         Image: Wide Safety/Safety of Ma- chinery		
• safety-related switching OFF       Yes         Centeral Product Approvals       Confirmation         Image: Confirmation of Conformity of Marchinery       Image: Confirmation of Conformity of Confirmation of Confirmation of Conformity of Confirmation of Confirmatio Confirmatio Confirmation of Confirmation of Confirmati		finger-safe, for vertical contact from the front with box terminal/cover
Certificates/ approvals         General Product Approval         Confirmation       Confirmation <t< td=""><td>-</td><td></td></t<>	-	
General Product Approval         Confirmation		Yes
Confirmation       Image: Confirmation		
Image: Construction of Conformity       Test Certificates         EMC       Functional Safety/Safety of Machinery       Declaration of Conformity       Test Certificates         Image: Construction of Conformity       Image: Construction of Conformity       Special Test Certificates       Type Test Certificates         Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Special Test Certificates       Type Test Certificates         Image: Construction of Conformity         Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity         Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity	General Product Approval	
Image: Construction of Conformity       Test Certificates         EMC       Functional Safety/Safety of Machinery       Declaration of Conformity       Test Certificates         Image: Construction of Conformity       Image: Construction of Conformity       Special Test Certificates       Type Test Certificates         Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Special Test Certificates       Type Test Certificates         Image: Construction of Conformity         Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity         Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity       Image: Construction of Conformity		
EMC     Safety/Safety of Machinery     Declaration of Conformity     Test Certificates       Image: Special Test Certificate     Image: Special Test Certificate     Image: Special Test Certificate     Image: Special Test Certificate       Image: RCM     Image: Special Test Certificate     Image: Special Test Certificate     Image: Special Test Certificate		
	EMC Safety/Safety of Ma- Declaration of	Conformity Test Certificates
Marine / Shipping other		UK Special Test Certific- ate <u>ates/Test Report</u>
	Marine / Shipping	other

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other         Railway           Miscellaneous         Confirmation           Vibration and Shock         Special Test Certific-				
Miscellaneous Confirmation Vibration and Shock Special Test Certific-	other		Railway	
ate ate	<u>Miscellaneous</u>	<b>Confirmation</b>	Vibration and Shock	

## **Further information**

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1266-6AF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1266-6AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1266-6AF36

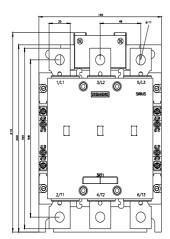
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

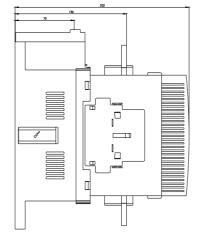
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1266-6AF36&lang=en

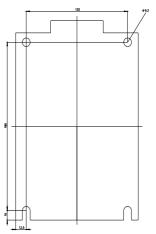
Characteristic: Tripping characteristics, I2t, Let-through current

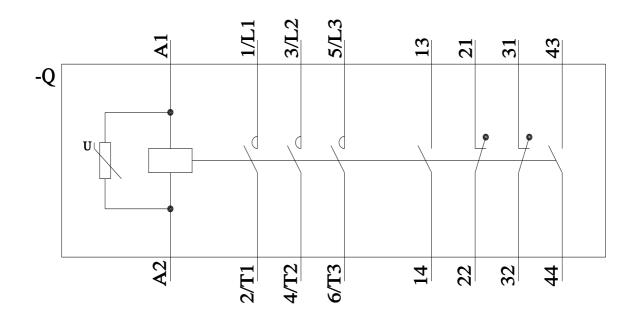
https://support.industry.siemens.com/cs/ww/en/ps/3RT1266-6AF36/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1266-6AF36&objecttype=14&gridview=view1









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