SIEMENS

Data sheet 3RT1276-6AS36



vacuum contactor, AC-3 500 A, 250 kW / 400 V AC (50-60 Hz) / DC operation 500-550 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S12 busbar connections drive: conventional

product type designation product type designation general technical data size of contactor product extension • function module for communication • auxiliary switch • auxiliary switch • at AC in hot operating state per pole • without load current share typical insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value a subscription of the contactor with added electronically optimized • at AC • at DC shock resistance with sine pulse • at AC • at DC mechanical service life (switching cycles) • of contactor typical • of the contactor with added electronically optimized auxilary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added auxillary switch block typical • of the contactor with added electronically optimized auxillary switch block typical • of the contactor with added electronically optimized auxillary switch block typical • of	product brand name	SIRIUS
Size of contactor product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) Outine Conditions 2 000 m ambient temperature • du	product designation	Vacuum contactor
size of contactor product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • without load current share typical • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit rated value • of main circuit rated value • of auxiliary circuit rated value • at AC • at DC • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary s	product type designation	3RT12
product extension • function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state • at AC in hot operating state per pole • without load current share typical insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value • of auxiliary circuit trated value • of main circuit rated value • of main circuit rated value • of main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC • at DC shock resistance at rectangular impulse • at AC • at DC shock resistance with sine pulse • at AC • at DC shock resistance • at AC • at DC shock resistance • at AC shock resistance • at	General technical data	
• function module for communication • auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state	size of contactor	S12
auxiliary switch power loss [W] for rated value of the current at AC in hot operating state at AC in hot operating state per pole without load current share typical of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical reference code according to IEC 81346-2 Quubstance Prohibitance (Date) Oxfort/2012 Ambient conditions installation altitude at height above sea level maximum out at AC auxiliary circuit rated value out and auxiliary auxiliary switch block typical oxfort conditions installation altitude at height above sea level maximum out auxiliary circuit rated value out auxiliary circuit rated value out auxiliary switch block typical oxfort conditions installation altitude at height above sea level maximum out auxiliary circuit rated value out auxiliary circuit rated value out auxiliary switch block typical oxfort conditions installation altitude at height above sea level maximum out auxiliary switch block to the contactor with added out out auxiliary switch block typical	product extension	
power loss [W] for rated value of the current at AC in hot operating state 96 W at AC in hot operating state per pole 32 W without load current share typical 10 W Insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value value surge voltage resistance of main circuit rated value 8 kV of auxiliary circuit rated value 6 kV maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse of at AC of AC	 function module for communication 	No
at AC in hot operating state at AC in hot operating state per pole without load current share typical insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary circuit rated value of main circuit rated value of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value of main circuit rated value of auxiliary included auxiliary included auxiliary switch block typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block t	auxiliary switch	Yes
at AC in hot operating state per pole without load current share typical insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit rated value of auxiliary switch line pulse of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Questional conditions of the conditions	power loss [W] for rated value of the current	
insulation voltage of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of the contactor with sine pulse of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) of without Main and value of the contactor (Date) of contactor typical of block typical of the contactor with added auxiliary switch block typi	 at AC in hot operating state 	96 W
insulation voltage • of main circuit with degree of pollution 3 rated value • of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance • of main circuit rated value • of auxiliary circuit rated value • ot AC • at DC • of contactor with sine pulse • at AC • at DC • of contactor typical • of the contactor with added electronically optimized auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical • of the contactor with added auxiliary switch block typical	 at AC in hot operating state per pole 	32 W
of main circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of auxiliary circuit with degree of pollution 3 rated value of main circuit rated value of main circuit rated value of auxiliary circuit rated value of auxiliary circuit rated value aximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse o at AC o at DC shock resistance with sine pulse o at AC o at DC 13,4g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse o at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical switch block typical switch block of the contacto	 without load current share typical 	10 W
of auxiliary circuit with degree of pollution 3 rated value surge voltage resistance of main circuit rated value of auxiliary circuit rated value of the contacts according to IEC 81346-2 Substance Prohibitance (Date) of burder of the conditions installation altitude at height above sea level maximum ambient temperature oduring operation 5000 V 690 V	insulation voltage	
value surge voltage resistance	 of main circuit with degree of pollution 3 rated value 	1 000 V
of main circuit rated value of auxiliary circuit rated value e of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse o at AC o at DC shock resistance with sine pulse o at AC o at DC shock resistance with sine pulse or at AC or at DC shock resistance with sine pulse or at AC or at DC shock resistance with sine pulse or at AC or at DC shock resistance with sine pulse or at AC or at DC mechanical service life (switching cycles) or of contactor typical or of the contactor with added electronically optimized auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary switch block typical or of the contactor with added auxiliary	, , ,	500 V
of auxiliary circuit rated value maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse oat AC oat DC shock resistance with sine pulse oat AC oat DC at DC mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation 600 V 8,5g / 5 ms, 4,2g / 10 ms 13,4g / 5 ms, 6,5g / 10 ms 10,000 000	surge voltage resistance	
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse at AC at DC shock resistance with sine pulse at AC at DC at AC at	 of main circuit rated value 	8 kV
shock resistance at rectangular impulse at AC at DC shock resistance with sine pulse at AC at DC shock resistance with sine pulse at AC at DC shock resistance with sine pulse at AC at DC at DC shock resistance with sine pulse at AC at DC star D	of auxiliary circuit rated value	6 kV
 at AC at DC 8,5g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 6,5g / 10 ms at DC 13,4g / 5 ms, 6,5g / 10 ms of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical		690 V
at DC shock resistance with sine pulse at AC at DC at DC at DC at DC at DC	shock resistance at rectangular impulse	
shock resistance with sine pulse at AC at DC 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation 13,4g / 5 ms, 6,5g / 10 ms 10 000 000 10 000 000 10 000 000 10 000 00	• at AC	8,5g / 5 ms, 4,2g / 10 ms
at AC at DC 13,4g / 5 ms, 6,5g / 10 ms 13,4g / 5 ms, 6,5g / 10 ms mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature of during operation 13,4g / 5 ms, 6,5g / 10 ms 10 000 000 5 000 000 10 000 000 10 000 000 10 000 00	• at DC	8,5g / 5 ms, 4,2g / 10 ms
at DC mechanical service life (switching cycles) of contactor typical of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical reference code according to IEC 81346-2 Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature oduring operation 13,4g / 5 ms, 6,5g / 10 ms 10 000 000 5 000 000 10 000 000 10 000 000 10 000 00	shock resistance with sine pulse	
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Substance Prohibitance (Date) Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation 05/01/2012 2 000 m -25 +60 °C	· · · · · · · · · · · · · · · · · · ·	10 000 000
Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation -25 +60 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum ambient temperature • during operation -25 +60 °C	Substance Prohibitance (Date)	05/01/2012
ambient temperature ● during operation -25 +60 °C	Ambient conditions	
• during operation -25 +60 °C	installation altitude at height above sea level maximum	2 000 m
	ambient temperature	
• during storage -55 +80 °C	 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	
	3
number of poles for main current circuit	
number of NO contacts for main contacts	3
operating voltage	4.000 \
at AC-3 rated value maximum	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	040 A
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	610 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C	610 A
rated value	010 A
— up to 690 V at ambient temperature 60 °C	550 A
rated value	
— up to 1000 V at ambient temperature 40 °C	610 A
rated value	
— up to 1000 V at ambient temperature 60 °C	550 A
rated value	
• at AC-3	500 A
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	500 A
— at 1000 V rated value	500 A
• at AC-3e	
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	500 A
— at 1000 V rated value	500 A
 at AC-4 at 400 V rated value 	430 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated 	439 A
value	
— up to 400 V for current peak value n=20 rated	439 A
value	400 A
 up to 500 V for current peak value n=20 rated value 	439 A
— up to 690 V for current peak value n=20 rated	439 A
value	100 / 1
— up to 1000 V for current peak value n=20 rated	439 A
value	
• at AC-6a	
— up to 230 V for current peak value n=30 rated	293 A
value	
— up to 400 V for current peak value n=30 rated	293 A
value	000 A
 up to 500 V for current peak value n=30 rated value 	293 A
	203 A
 up to 690 V for current peak value n=30 rated value 	293 A
— up to 1000 V for current peak value n=30 rated	293 A
value	
minimum cross-section in main circuit at maximum AC-1	370 mm²
rated value	
operational current for approx. 200000 operating	
cycles at AC-4	
at 400 V rated value	215 A
at 690 V rated value	215 A
operating power	
• at AC-3	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW

— at 500 V rated value	355 kW
— at 690 V rated value	500 kW
— at 1000 V rated value	710 kW
• at AC-3e	
— at 230 V rated value	160 kW
— at 400 V rated value	250 kW
— at 500 V rated value	355 kW
— at 690 V rated value	500 kW
— at 1000 V rated value	710 kW
operating power for approx. 200000 operating cycles at AC-4	
 at 400 V rated value 	122 kW
at 690 V rated value	212 kW
operating apparent power at AC-6a	
 up to 230 V for current peak value n=20 rated value 	170 000 kVA
 up to 400 V for current peak value n=20 rated value 	300 000 VA
 up to 500 V for current peak value n=20 rated value 	380 000 VA
• up to 690 V for current peak value n=20 rated value	520 000 VA
 up to 1000 V for current peak value n=20 rated value 	760 000 VA
operating apparent power at AC-6a	
• up to 230 V for current peak value n=30 rated value	110 000 VA
• up to 400 V for current peak value n=30 rated value	200 000 VA
up to 500 V for current peak value n=30 rated value	250 000 VA
• up to 690 V for current peak value n=30 rated value	350 000 VA
 up to 1000 V for current peak value n=30 rated value 	500 000 VA
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
at AC-1 maximum	700 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	AOIDO
at 50 Hz rated value	500 550 V
at 60 Hz rated value at 60 Hz rated value	500 550 V
	300 330 V
CONTROL CURNIV VOITAGE AT DC	
control supply voltage at DC	500 550 V
rated value	500 550 V
	500 550 V
• rated value operating range factor control supply voltage rated	500 550 V 0.8
rated value operating range factor control supply voltage rated value of magnet coil at DC	
rated value operating range factor control supply voltage rated value of magnet coil at DC initial value	0.8
rated value 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	0.8
rated value 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	0.8 1.1
rated value 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	0.8 1.1 0.8 1.1
rated value 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	0.8 1.1 0.8 1.1 0.8 1.1
rated value 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	0.8 1.1 0.8 1.1 0.8 1.1
rated value 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	0.8 1.1 0.8 1.1 0.8 1.1 with varistor
rated value 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	0.8 1.1 0.8 1.1 0.8 1.1 with varistor
rated value 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 at 60 Hz at 60 Hz	0.8 1.1 0.8 1.1 0.8 1.1 with varistor
rated value 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 at 60 Hz inductive power factor with closing power of the coil	0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA 830 VA
rated value 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 at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz	0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA 830 VA
rated value 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 at 60 Hz inductive power factor with closing power of the coil at 50 Hz	0.8 1.1 0.8 1.1 0.8 1.1 with varistor 830 VA 830 VA
rated value 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 at 60 Hz inductive power factor with closing power of the coil at 50 Hz at 60 Hz at 60 Hz at 60 Hz	0.8 1.1 0.8 1.1 with varistor 830 VA 830 VA 0.9 0.9

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	920 W
holding power of magnet coil at DC	10 W
	10 VV
closing delay • at AC	45 100 ms
511.15	
• at DC	45 100 ms
opening delay	60 100 ms
• at AC	
• 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 instantaneous contact	2
number of NO contacts for auxiliary contacts	2
instantaneous 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 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	r asing stricting per 100 million (17 v, 1 m/r)
full-load current (FLA) for 3-phase AC motor	477 A
at 480 V rated value at 600 V rated value	477 A
• at 600 V rated value	472 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	450 ha
— at 200/208 V rated value	150 hp
— at 220/230 V rated value	200 hp
— at 460/480 V rated value	400 hp
— at 575/600 V rated value	500 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 	
 — with type of coordination 1 required 	gG: 800 A (690 V, 100 kA)
— with type of assignment 2 required	gG: 800 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 800 A (415 V, 50 kA)
• for short-circuit protection of the auxiliary switch	gG: 10 A (500 V, 1 kA)
required	

nstallation/ 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
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
— dpwards — downwards	10 mm
— at the side	0 mm
	V IIIII
for grounded parts forwards	20 mm
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	Connection bar
for auxiliary and control circuit	screw-type terminals
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals 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	2/0 F00 kemil
at AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main contacts	70 040 3
• stranded	70 240 mm²
connectable conductor cross-section for auxiliary	
contacts	0.5 4 mm ²
solid or stranded finally stranded with sore and processing.	0.5 4 mm ²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
for auxiliary contacts	0 (0 5 4 5 2) 0 (0 75 0 5 2)
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section	
for auxiliary contacts	18 14
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947- 5-1 	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/ approvals

General Product Approval

EMC



Confirmation









Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

Marine / Shipping

Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>



Marine / Shipping

other







Confirmation

Confirmation

Miscellaneous

Railway

Special Test Certificate

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=3RT1276-6AS36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1276-6AS36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1276-6AS36

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1276-6AS36&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1276-6AS36/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1276-6AS36&objecttype=14&gridview=view1

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