SIEMENS

Data sheet

3RT1466-6SF36-3PA0



Contactor, AC-1, 400 A/690 V/40 $^{\circ}$ C, S10, 3-pole, 96-127 V AC/DC, F-PLC-IN with varistor, 2 NO+2 NC, permanently mounted, Connection rail/ screw terminal

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT14
General technical data	
size of contactor	S10
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	105.6 W
 at AC in hot operating state per pole 	35.2 W
without load current share typical	3.4 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
of auxiliary circuit with degree of pollution 3 rated value	500 V
surge voltage resistance	
 of main circuit rated value 	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)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	03/01/2017
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %

maximum	
Main circuit	
	3
number of poles for main current circuit number of NO contacts for main contacts	3
number of NC contacts for main contacts	0
type of voltage for main current circuit	AC
operational current	
• at AC-1	400.4
 up to 690 V at ambient temperature 40 °C rated value 	400 A
— up to 690 V at ambient temperature 55 °C rated value	380 A
— up to 690 V at ambient temperature 60 °C rated value	380 A
• at AC-3	
— at 400 V rated value	138 A
— at 690 V rated value	138 A
minimum cross-section in main circuit at maximum AC-1 rated value	240 mm ²
no-load switching frequency	
• at AC	1 000 1/h
• at DC	1 000 1/h
operating frequency at AC-1 maximum	200 1/h
Control circuit/ Control	
type of voltage	AC/DC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
• at 50 Hz rated value	96 127 V
at 60 Hz rated value	96 127 V
control supply voltage at DC	
• rated value	96 127 V
type of PLC-control input according to IEC 60947-1	Type 1
consumed current at PLC-control input according to IEC 60947-1 maximum	30 mA
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	530 VA
inductive power factor with closing power of the coil	
● at 50 Hz	0.8
apparent holding power of magnet coil at AC • at 50 Hz	5 VA
inductive power factor with the holding power of the coil	
● at 50 Hz	0.5
closing power of magnet coil at DC	580 W
holding power of magnet coil at DC	3.4 W
closing delay	
• at AC	60 75 ms
• at DC	60 75 ms
opening delay	
• at AC	115 130 ms
• at DC	115 130 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Fail-safe PLC input (F-PLC-IN)
control version of the switch operating mechanism	i ali-sale FLO lilput (i -FLO-IIV)

number of NC contacts for auxillary contacts 2	Auxiliary circuit	
e instantaneous contact		2
Number of NO contacts for auxiliary contacts		4
e instantaneous contact 2	• instantaneous contact	2
• Instantaneous contact 2 2 3 4 3	number of NO contacts for auxiliary contacts	2
operational current at AC-12 maximum operational current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 600 V rated value at 60 V rated value at 125 V rated value at 126 V rated value at	attachable	4
operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 500 V rated value • at 500 V rated value • at 600 V rated value • at 60 V rated value • at 100 V rated value • at 100 V rated value • at 250 V rated value • at 250 V rated value • at 250 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 250 V rated value • at 260 V rated value	• instantaneous contact	2
at 230 V rated value at 400 V rated value 2 A at 500 V rated value 2 A at 500 V rated value 3 A operational current at DC-13 at 24 V rated value 2 A at 48 V rated value 2 A at 48 V rated value 2 A at 48 V rated value 2 A at 110 V rated value 2 A at 110 V rated value 3 A 3 A 4 A 48 V rated value 2 A 5 A 4 A 5 V rated value 4 A 600 V rated value 5 A 5 V rated value 5 A 5 V rated value 6 A 6 A 5 V rated value 7 A 5 V rated value 7 A 5 V rated value 9 A 7 A	operational current at AC-12 maximum	10 A
• at 400 V rated value • at 500 V rated value • at 600 V rated value • at 600 V rated value operational current at DC-13 • at 24 V rated value • at 60 V rated value • at 60 V rated value • at 60 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 20 V rated value • at 60	operational current at AC-15	
• at 500 V rated value • at 690 V rated value • at 690 V rated value • at 24 V rated value • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 126 V rated value • at 126 V rated value • at 120 V rated value • or 16 value value • or 16 value value • or 16 value value • or 17 value value • with type of coordination 1 required • with type of coordination 1 required • or short-circuit protection required • or short-circuit protection of the main circuit required • or short-circuit protection of the auxiliary switch required • or short-circuit protection of the auxiliary switch required • side-by-side mounting / dimensions mounting position fastening method • side-by-side mounting • with side-by-side mounting • with side-by-side mounting • or ownwards • downwards • downwards • at the side • for grounded parts • for wards • quowards • for live parts	 at 230 V rated value 	6 A
• at 690 V rated value operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 100 V rated value • at 100 V rated value • at 220 V rated value • at 325 V rated value • at 220 V rated value • at 325 V rated value contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection • for short-circuit protection of the main circuit • at 15 v short-circuit protection of the main circuit • for short-circuit protection of the auxiliary switch • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rolatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing Yes height 210 mm width depth 220 mm required spacing • with side-by-side mounting • ownwards — downwards — downwards — 10 mm - forwards — upwards — the side — downwards — upwards — at the side — downwards — of wards — at the side — downwards — of wards —	 at 400 V rated value 	3 A
0	 at 500 V rated value 	2 A
• at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 800 V rated value design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for grounded space */-90° rotatable, with vertical mounting surface */-90° rotatable, with vertical mounting */	at 690 V rated value	1 A
• at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 122 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 200 V rated value • at 60 0 V rated value • at 60 0 V rated value • at 600 V rated value design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required • sold-by-side mounting dimensions mounting position fastening method • side-by-side mounting • side-by-side mounting - side-by-side mounting - with side-by-side mounting - forwards - upwards - downwards - at the side • for grounded parts - forwards - at the side - downwards - of or live parts - for live parts - forwards - upwards - upwards - for live parts - forwards	operational current at DC-13	
at 160 V rated value at 110 V rated value at 110 V rated value at 225 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value at 600 V rated value och 600	at 24 V rated value	10 A
at 110 V rated value at 125 V rated value at 220 V rated value 20.9 A 30.1 A 3	at 48 V rated value	2 A
at 125 V rated value at 220 V rated value at 220 V rated value 0.3 A design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required for short-circuit protection of the auxiliary switch required with type of assignment 2 required for short-circuit protection of the auxiliary switch required with type of assignment 2 required for short-circuit protection of the auxiliary switch required with required Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing yes height 210 mm width 145 mm depth 202 mm required spacing with side-by-side mounting - forwards - upwards - downwards - downwards - at the side - at the side - downwards - forwards - upwards - forwards - upwards - forwards - forwards - upwards - forwards - forw	at 60 V rated value	2 A
at 220 V rated value at 600 V rated value design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link for short-circuit protection of the main circuit - with type of coordination 1 required - with type of condination 1 required - with type of assignment 2 required for short-circuit protection of the auxiliary switch required - with type of assignment 2 required sort of short-circuit protection of the auxiliary switch required sort of short-circuit protection of the auxiliary switch required sort of short-circuit protection of the auxiliary switch required sort of short-circuit protection of the auxiliary switch required sort of short-circuit protection of the auxiliary switch required sort of short-circuit protection of the auxiliary switch required sort of short-circuit protection of the auxiliary switch required sort of short-circuit protection of the auxiliary switch required sort of son V, 100 kA) gG: 10 A (500 V, 100 kA	• at 110 V rated value	1 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required gr.: 500 A (690 V, 100 kA) gr.: 500 A (690 V, 100 kA)	• at 125 V rated value	0.9 A
design of the miniature circuit breaker for short-circuit protection of the auxiliary switch required contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required of short-circuit protection of the main circuit — with type of coordination 1 required of short-circuit protection of the auxiliary switch ground of sasignment 2 required of short-circuit protection of the auxiliary switch ground of surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back screw fixing • side-by-side mounting • side-by-side mounting • with side-by-side mounting — forwards — upwards — downwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — odwnwards — of owards — odwnwards — of owards — odwnwards — of owards —	• at 220 V rated value	0.3 A
protection of the auxiliary switch required contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required 9G: 500 A (690 V, 100 kA) 9G: 10 A (500 V, 1 kA) required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width 145 mm depth required spacing • with side-by-side mounting - forwards — upwards — at the side — downwards — of or grounded parts — for grounded • for live parts — forwards — upwards — of place and a suitlary switching per 100 million (17 V, 1 mA) 1 faulty switching per 100 million (17 V, 1 mA) No 1 faulty switching per 100 million (17 V, 1 mA) No 1 faulty switching per 100 million (17 V, 1 mA) No 1 faulty switching per 100 million (17 V, 1 mA) No 1 faulty switching per 100 million (17 V, 1 mA) No 1 faulty switching per 100 million (17 V, 1 mA) No 1 faulty switching per 100 million (17 V, 1 mA) No 1 faulty switching per 100 million (17 V, 1 mA) Sport such as a such	at 600 V rated value	0.1 A
contact reliability of auxiliary contacts Short-circuit protection product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required of the success of the second of the auxiliary switch required Installation/ mounting/ dimensions mounting position ### with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes height 210 mm width depth 202 mm required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side — of orgrounded parts — forwards — upwards — at the side — downwards — of orgrounded parts — forwards — at the side — downwards — of owards — of orgrounded parts — forwards — of owards — of owards — of owards — of orgrounded		gG: 10 A (230 V, 400 A)
Short-circuit protection Product function short circuit protection design of the fuse link		46.11.11.11.11.11.11.11.11.11.11.11.11.11
product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-9		1 faulty switching per 100 million (17 V, 1 mA)
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required 9G: 500 A (690 V, 100 kA) gR: 500 A (690 V, 100 kA) gG: 10 A (500 V, 1 kA) required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing • side-by-side mounting • side-by-side mounting width depth 210 mm depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — upwards — at the side — downwards — downwa		
• for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required • for short-circuit protection of the auxiliary switch required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing		No
- with type of coordination 1 required - with type of assignment 2 required of or short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing yes height 210 mm width 145 mm depth 202 mm required spacing with side-by-side mounting - forwards - upwards - at the side of or grounded parts - forwards - upwards - at the side - downwards - upwards - at the side - downwards - upwards - at the side - downwards - upwards - for live parts - forwards - forwards - forwards - for live parts - forwards - upwards - upwards - upwards - upwards - forwards - upwards - forwards - upwards - for live parts - forwards - upwards - upwards - upwards - upwards - forwards - upwards - forwards - forwards - forwards - forwards - upwards - forwards - forwards - forwards - forwards - upwards - forwards - forwards - forwards - upwards - forwards - forwards - upwards - forwards - forwards - upwards - forwards - forwards - forwards - forwards - forwards - forwards - upwards - forwards - for	_	
- with type of assignment 2 required		
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertica		
required mounting position mounting position fastening method		
Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting +/-90° or vertical mounting +/-9		gG: 10 A (500 V, 1 kA)
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing ◆ side-by-side mounting Pes height 210 mm width depth required spacing ◆ with side-by-side mounting — forwards — upwards — at the side — upwards — upwards — upwards — upwards — upwards — to mm • for grounded parts — forwards — upwards — upwards — upwards — upwards — 10 mm • for grounded parts — forwards — upwards — 10 mm • at the side — 10 mm • downwards — at the side — 10 mm • for live parts — forwards — forwards — upwards — upwards — upwards — 10 mm • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — to mm • for live parts — forwards — upwards — upw	·	
surface +/- 22.5° tiltable to the front and back screw fixing side-by-side mounting height 210 mm width 415 mm depth 202 mm required spacing with side-by-side mounting forwards upwards at the side for grounded parts forwards upwards at the side of or grounded parts at the side of or grounded parts at the side of or grounded parts forwards at the side of or mm of or live parts forwards of or live parts of or wards upwards of or live parts of or wards upwards of or live parts of orwards upwards of or mm		with vertical mounting surface ±/-90° rotatable, with vertical mounting
• side-by-side mounting Yes height 210 mm width 145 mm depth 202 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm • for grounded parts 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm • for live parts 20 mm - forwards 20 mm - upwards 10 mm - upwards 10 mm		surface +/- 22.5° tiltable to the front and back
• side-by-side mounting Yes height 210 mm width 145 mm depth 202 mm required spacing • with side-by-side mounting - forwards 20 mm - upwards 10 mm - downwards 10 mm • for grounded parts 20 mm - upwards 10 mm - at the side 10 mm - downwards 10 mm • for live parts 20 mm - forwards 20 mm - upwards 10 mm - upwards 10 mm	fastening method	screw fixing
height 210 mm width 145 mm depth 202 mm required spacing	• side-by-side mounting	
depth 202 mm required spacing	height	210 mm
required spacing	width	145 mm
 with side-by-side mounting forwards upwards downwards downwards at the side for grounded parts forwards upwards at the side mm upwards at the side downwards for live parts forwards upwards 10 mm for live parts upwards 10 mm 	depth	202 mm
— forwards 20 mm — upwards 10 mm — downwards 10 mm — at the side 0 mm • for grounded parts 20 mm — forwards 20 mm — upwards 10 mm • for live parts 10 mm — forwards 20 mm — upwards 10 mm	required spacing	
 — upwards — downwards — at the side ● for grounded parts — forwards — upwards — at the side — at the side — downwards ● for live parts — forwards — upwards 10 mm 20 mm — orwards — upwards 20 mm — upwards 	 with side-by-side mounting 	
 — downwards — at the side ● for grounded parts — forwards — upwards — at the side — at the side — downwards ● for live parts — forwards — forwards — upwards 10 mm 20 mm — upwards 20 mm — upwards 10 mm 	— forwards	20 mm
 — at the side ● for grounded parts — forwards — upwards — at the side — downwards — for live parts — forwards — upwards 20 mm 20 mm 10 mm 	— upwards	10 mm
 for grounded parts forwards upwards at the side downwards for live parts forwards upwards 10 mm 10 mm for live parts upwards 20 mm upwards 10 mm 	— downwards	10 mm
 — forwards — upwards — at the side — downwards • for live parts — forwards — upwards 20 mm — upwards 10 mm 	— at the side	0 mm
 — upwards — at the side — downwards • for live parts — forwards — upwards 10 mm 20 mm — upwards 10 mm 	for grounded parts	
 — at the side — downwards for live parts — forwards — upwards 10 mm 20 mm 10 mm 	— forwards	20 mm
 — downwards for live parts — forwards — upwards 10 mm 20 mm 10 mm 	— upwards	10 mm
 for live parts forwards upwards 20 mm 10 mm 	— at the side	10 mm
— forwards 20 mm — upwards 10 mm	— downwards	10 mm
— upwards 10 mm	for live parts	
	— forwards	20 mm
downwards 40 mm	— upwards	10 mm
— downwards	— downwards	10 mm
— at the side 10 mm	— at the side	10 mm
Connections/ Terminals	Connections/ Terminals	
type of electrical connection	type of electrical connection	
• for main current circuit Connection bar	for main current circuit	Connection bar
• for auxiliary and control circuit screw-type terminals	 for auxiliary and control circuit 	screw-type terminals

	0
at contactor for auxiliary contacts	Screw-type terminals
of magnet coil	Screw-type terminals
width of connection bar thickness of connection bar	25 mm
diameter of holes	6 mm
number of holes	11 mm
type of connectable conductor cross-sections	
at AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main	2/0 300 KOHIII
contacts	
 solid or stranded 	70 240 mm²
• stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
 solid or stranded 	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
 for auxiliary contacts 	
— 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
Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947- 5-1 	No
safety device type according to IEC 61508-2	Type B
B10 value with high demand rate according to SN 31920	1 000 000
Safety Integrity Level (SIL) according to IEC 61508	2
SIL Claim Limit (subsystem) according to EN 62061	2
	_
performance level (PL) according to EN ISO 13849-1	С
category according to EN ISO 13849-1	c 2
category according to EN ISO 13849-1 stop category according to EN 60204-1	С
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures	c 2 0
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920	c 2 0
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920	c 2 0 40 % 73 %
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 PFHD with high demand rate according to EN 62061	c 2 0 40 % 73 % 0.00000045 1/h
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 PFHD with high demand rate according to EN 62061 PFDavg with low demand rate according to IEC 61508	c 2 0 40 % 73 % 0.00000045 1/h 0.007
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 PFHD with high demand rate according to EN 62061 PFDavg with low demand rate according to IEC 61508 MTBF	c 2 0 40 % 73 % 0.00000045 1/h 0.007 75 y
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 PFHD with high demand rate according to EN 62061 PFDavg with low demand rate according to IEC 61508 MTBF hardware fault tolerance according to IEC 61508	c 2 0 40 % 73 % 0.00000045 1/h 0.007 75 y
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 PFHD with high demand rate according to EN 62061 PFDavg with low demand rate according to IEC 61508 MTBF hardware fault tolerance according to IEC 61508 T1 value for proof test interval or service life according to IEC 61508	c 2 0 40 % 73 % 0.00000045 1/h 0.007 75 y 0 20 y
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 PFHD with high demand rate according to EN 62061 PFDavg with low demand rate according to IEC 61508 MTBF hardware fault tolerance according to IEC 61508 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC 60529	c 2 0 40 % 73 % 0.00000045 1/h 0.007 75 y 0 20 y IP00; IP20 with box terminal/cover
category according to EN ISO 13849-1 stop category according to EN 60204-1 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 PFHD with high demand rate according to EN 62061 PFDavg with low demand rate according to IEC 61508 MTBF hardware fault tolerance according to IEC 61508 T1 value for proof test interval or service life according to IEC 61508 protection class IP on the front according to IEC	c 2 0 40 % 73 % 0.00000045 1/h 0.007 75 y 0 20 y

General Product Approval

EMC





Confirmation







Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

other

Type Examination Certificate



Special Test Certificate

Type Test Certificates/Test Report

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=3RT1466-6SF36-3PA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1466-6SF36-3PA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1466-6SF36-3PA0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1466-6SF36-3PA0&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT1466-6SF36-3PA0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1466-6SF36-3PA0&objecttype=14&gridview=view1

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