SIEMENS

Data sheet 3TF6944-0CM7



vacuum contactor AC-3e 630 A, 335 kW / 400 V, AC-3 820 A, 450 kW / 400 V, Ue 690 V, 3-pole, Uc: 200-240 V AC(50/60 Hz) drive: conventional auxiliary contacts 4 NO + 4 NC main circuit: busbar control and auxiliary circuit: screw terminal

product designation	Vacuum contactor	
product type designation	3TF6	
General technical data		
size of contactor	14	
product extension		
 function module for communication 	No	
auxiliary switch	No	
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 	690 V	
surge voltage resistance		
 of main circuit rated value 	8 kV	
of auxiliary circuit rated value	6 kV	
maximum permissible voltage for protective separation		
 in networks with grounded star point between auxiliary and auxiliary circuit 	300 V	
 in networks with grounded star point between main and auxiliary circuit 	500 V	
shock resistance at rectangular impulse		
• at AC	9.5g / 5 ms, 5.7g / 10 ms	
shock resistance with sine pulse		
• at AC	13.5g / 5 ms, 7.8g / 10 ms	
mechanical service life (operating cycles)		
of contactor typical	5 000 000	
reference code according to IEC 81346-2	Q	
Substance Prohibitance (Date)	03/01/2017	
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8	
Weight	22.202 kg	
Ambient conditions		
installation altitude at height above sea level maximum	2 000 m	
ambient temperature		
 during operation 	-25 +55 °C	
during storage	-55 +80 °C	
relative humidity minimum	10 %	
relative humidity during operation	10 95 %	
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %	
Main circuit		
number of poles for main current circuit	3	
number of NO contacts for main contacts	3	

number of NC contacts for main contacts	0
type of voltage for main current circuit	AC
operating voltage	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	910 A
— up to 690 V at ambient temperature 55 °C rated value	850 A
• at AC-3	000 A
— at 400 V rated value	820 A
— at 500 V rated value	820 A
— at 690 V rated value	820 A
— at 1000 V rated value	580 A
• at AC-3e	000 A
— at 400 V rated value	630 A
— at 500 V rated value	630 A
— at 690 V rated value	630 A
— at 1000 V rated value	580 A
at AC-4 at 400 V rated value	690 A
• at AC-6a	075 4
— up to 500 V for current peak value n=20 rated value	675 A
up to 690 V for current peak value n=20 rated valueat AC-6a	675 A
 up to 400 V for current peak value n=30 rated value 	450 A
— up to 500 V for current peak value n=30 rated value	450 A
— up to 690 V for current peak value n=30 rated value	450 A
connectable conductor cross-section in main circuit at AC-	
1	
at 40 °C minimum permissible	600 mm ²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	360 A
at 690 V rated value	360 A
operating power	
• at AC-3	
— at 230 V rated value	260 kW
— at 400 V rated value	450 kW
— at 500 V rated value	600 kW
— at 690 V rated value	800 kW
— at 1000 V rated value	800 kW
• at AC-3e	
— at 230 V rated value	200 kW
— at 400 V rated value	355 kW
— at 690 V rated value	600 kW
— at 1000 V rated value	800 kW
operating apparent power at AC-6a	
• up to 400 V for current peak value n=20 rated value	445 kVA
• up to 690 V for current peak value n=20 rated value	771 kVA
operating apparent power at AC-6a	
• up to 400 V for current peak value n=30 rated value	297 kVA
• up to 690 V for current peak value n=30 rated value	514 kVA
thermal short-time current limited to 10 s	7 000 A
power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor	70 W
power loss [W] at AC-3e at 400 V for rated value of the operational current per conductor	42 W
no-load switching frequency at AC	500 1/h
operating frequency	
• at AC-1 maximum	500 1/h

• at AC-3e	F00 4/1-
— at 400 V maximum	500 1/h
— at 690 V maximum	500 1/h
• at AC-2 at AC-3 maximum	200 1/h
at AC-2 at AC-3e maximum	200 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC
control supply voltage at AC	
at 50 Hz rated value	200 240 V
at 60 Hz rated value	200 240 V
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
apparent pick-up power	
at minimum rated control supply voltage at AC	
— at 50 Hz	900 VA
— at 60 Hz	900 VA
at maximum rated control supply voltage at AC	
— at 60 Hz	1 050 VA
— at 50 Hz	1 050 VA
inductive power factor with closing power of the coil	
• at 50 Hz	1
• at 60 Hz	1
apparent holding power	
at minimum rated control supply voltage at AC	
— at 50 Hz	7 VA
— at 60 Hz	7 VA
at maximum rated control supply voltage at AC	
— at 50 Hz	8 VA
— at 60 Hz	8 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.4
• at 60 Hz	0.4
closing delay	
• at AC	70 120 ms
opening delay	
• at AC	50 130 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	
• attachable	4
instantaneous contact	4
number of NO contacts for auxiliary contacts	
• attachable	4
instantaneous contact	4
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	5.6 A
• at 400 V rated value	3.6 A
at 500 V rated value	2.5 A
at 690 V rated value	2.3 A
operational current at DC-12 at 440 V rated value	0.33 A
operational current at DC-12	
• at 24 V rated value	10 A
• at 48 V rated value	10 A
at 110 V rated value	3.2 A
at 125 V rated value	2.5 A
at 220 V rated value	0.9 A
 at 600 V rated value 	0.22 A

operational current at DC-13	
• at 24 V rated value	10 A
at 48 V rated value	5 A
• at 110 V rated value	1.14 A
at 125 V rated value	0.98 A
• at 220 V rated value	0.48 A
• at 600 V rated value	0.07 A
contact reliability of auxiliary contacts	one incorrect switching operation of 100 million switching operations (17 V, 5
UL/CSA ratings	mA)
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	820 A
at 600 V rated value at 600 V rated value	820 A
	020 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	000 h
— at 200/208 V rated value	290 hp
— at 220/230 V rated value	350 hp
— at 460/480 V rated value	700 hp
— at 575/600 V rated value	860 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: 1250 A (690 V, 100 kA)
 — with type of assignment 2 required 	gG: 630 A (690 V, 50 kA), aM: 630 A (690 V, 50 kA), BS88: 630 A (690 V, 50
for short-circuit protection of the auxiliary switch required	kA) fuse gG: 10 A
Installation/ mounting/ dimensions	iuse go. 10 A
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method side-by-side mounting	Yes
fastening method	screw fixing
height	295 mm
width	230 mm
depth	237 mm
required spacing	
 with side-by-side mounting 	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
•	
	20 mm
— forwards	20 mm
— upwards	10 mm
upwardsdownwards	10 mm 10 mm
upwardsdownwardsat the side	10 mm
upwards downwards at the side Connections/ Terminals	10 mm 10 mm
upwards downwards at the side Connections/ Terminals type of electrical connection	10 mm 10 mm 10 mm
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit	10 mm 10 mm Connection bar
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	10 mm 10 mm Connection bar screw-type terminals
upwards downwards at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts	10 mm 10 mm 10 mm Connection bar screw-type terminals Screw-type terminals
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	10 mm 10 mm Connection bar screw-type terminals
upwards downwards at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts	10 mm 10 mm 10 mm Connection bar screw-type terminals Screw-type terminals
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts width of connection bar	10 mm 10 mm 10 mm Connection bar screw-type terminals Screw-type terminals 40 mm
- upwards - downwards - at the side Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts width of connection bar thickness of connection bar	10 mm 10 mm 10 mm Connection bar screw-type terminals Screw-type terminals 40 mm 6 mm

• stranded with core end processing 50 240 mm² 50 250 mm²		
connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxillary contacts • solid or stranded • finely stranded with core end processing type of connectable conductor cross-sections • for auxillary contacts - solid - solid - finely stranded with core end processing to for AWG cables for auxillary contacts • for auxillary contacts - solid - finely stranded with core end processing • for AWG cables for auxillary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxillary contacts • for auxillary contacts • for auxillary contacts Solo • for main contacts • for auxillary contacts • for auxillary contacts • product function • mirror contact according to IEC 60947-8-1 • suitable for safety function • mirror contact according to IEC 60947-8-1 • suitable for safety function • suitable for safety function • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 • with	• stranded	50 240 mm²
onnectable conductor cross-section for auxillary contacts oslid or stranded offiely stranded with core end processing of or auxillary contacts oslid or stranded offiely stranded with core end processing of or auxillary contacts oslid offiely stranded with core end processing of or auxillary contacts offiely stranded with core end processing offiely stranded with core end processing stranded with core e		50 240 mm²
connectable conductor cross-section for auxiliary contacts	connectable conductor cross-section for main contacts	
solid or stranded inely stranded with core end processing type of connectable conductor cross-sections in auxiliary contacts — solid — finely stranded with core end processing — solid — solid — finely stranded with core end processing * for AWG cables for auxiliary contacts — solid — finely stranded with core end processing * for AWG cables for auxiliary contacts * for auxiliary contact according to IEC 60947-6-1 * positively driven operation according to IEC 60947-5-1 * suitable for safety function * suitable for safety function * service life maximum * 20 a * service life maximum * 20 a * with low demand rate according to SN 31920 * with high demand rate according to SN 31920 * with high demand rate according to SN 31920 * with high demand rate according to SN 31920 * with high demand rate according to SN 31920 * lound to the form to the form to IEC 60529 ISO 13849 device type according to ISO 13849-1 device type according to ISO 13849-2 necessary * for aux	finely stranded with core end processing	240 50 mm²
Intelligent Stranded with core end processing 0.5 2.5 mm²	connectable conductor cross-section for auxiliary contacts	
For auxiliary contacts For auxiliary contacts For auxiliary contacts For AWG cables for auxiliary contacts For auxili	solid or stranded	
• for auxiliary contacts — solid — finely stranded with core end processing • for AWG cables for auxiliary contacts 2x (0.5 1.0 mm²), 2x (0.75 2.5 mm²) 2x (18 12) AWG number as coded connectable conductor cross section • for main contacts • for auxiliary con	finely stranded with core end processing	0.5 2.5 mm²
solid 2x (0.5 1.0 mm²), 2x (1.0 2.5 mm²) finely stranded with core end processing for AWG cables for auxiliary contacts 2x (0.5 1.0 mm²), 2x (0.75 2.5 mm²) 2x (18 12) AWG number as coded connectable conductor cross section for main contacts for auxiliary contact according to IEC 60947-4-1 whith out the format according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 suitable for safety function service life maximum 20 a service life maximum 20 a with low demand rate according to SN 31920 with low demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 solution of the format caccording to ISO 13849-1 for auxiliary switch block respectively	type of connectable conductor cross-sections	
- finely stranded with core end processing	 for auxiliary contacts 	
For AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section For main contacts For auxiliary contacts For auxiliary contacts For auxiliary contacts Safety related data product function For auxiliary contact according to IEC 60947-4-1 For auxiliary switch block respectively For auxiliary switch block respectively For suitable for safety function For auxiliary switch block respectively For suitable for safety function For suitable for safety	— solid	2x (0.5 1.0 mm²), 2x (1.0 2.5 mm²)
AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 18 12 Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • mirror contact according to IEC 60947-5-1 • suitable for safety function * respectively driven operation according to IEC 60947-5-1 • suitable for safety function * respectively * proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 * allow a left fill with low demand rate according to SN 31920 * failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A Electrical Safety protection class IP on the front according to IEC 60529 Touch protection on the front according to IEC 60529 Time A Time	 finely stranded with core end processing 	2x (0.5 1.0 mm²), 2x (0.75 2.5 mm²)
section • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function • suitable for safety function • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 1810 value with high demand rate according to SN 31920 1810 value with high demand rate according to SN 31920 1810 value with low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1810 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value vith low demand rate according to SN 31920 1820 value v	for AWG cables for auxiliary contacts	2x (18 12)
• for auxiliary contacts Safety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function service life maximum 20 a test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary EIC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 Tinger-safe, for vertical contact from the front with cover		
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function service life maximum 20 a test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 1000 000 1allure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary Protection class IP on the front according to IEC 60529 1000 IPO; IP20 with cover finger-safe, for vertical contact from the front with cover	• for main contacts	500
product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 • suitable for safety function service life maximum test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 Type A Yes; One NC contact each must be connected in series for the right and left auxiliary switch block respectively No Yes; One NC contact each must be connected in series for the right and left auxiliary switch block respectively No Yes 100 NC Contact each must be connected in series for the right and left auxiliary switch block respectively No Yes 100 NC Contact each must be connected in series for the right and left auxiliary switch block respectively No Yes 100 NC Tone NC Contact each must be connected in series for the right and left auxiliary switch block respectively No No 100 NC 100 PIT 3 3 OVER THE STATE OF THE S	 for auxiliary contacts 	18 12
mirror contact according to IEC 60947-4-1 positively driven operation according to IEC 60947-5-1 suitable for safety function service life maximum 20 a test wear-related service life necessary proportion of dangerous failures with low demand rate according to SN 31920 with high demand rate according to SN 31920 with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	Safety related data	
auxiliary switch block respectively • positively driven operation according to IEC 60947-5-1 • suitable for safety function Service life maximum 20 a test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 1000 000 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 to with plok demand rate according to IEC 60529 in positively with block respectively No No No No 100 Yes 40 % 40 % 1000 000 100 FIT 33 349 400 FIT 340 400 FIT 400	product function	
suitable for safety function service life maximum 20 a test wear-related service life necessary Yes proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 73 % B10 value with high demand rate according to SN 31920 1000 000 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	mirror contact according to IEC 60947-4-1	
test wear-related service life necessary proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	 positively driven operation according to IEC 60947-5-1 	No
proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	suitable for safety function	Yes
with low demand rate according to SN 31920 with high demand rate according to SN 31920 To With high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	service life maximum	20 a
with low demand rate according to SN 31920 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A Electrical Safety protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 Inger-safe, for vertical contact from the front with cover	test wear-related service life necessary	Yes
 with high demand rate according to SN 31920 B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover finger-safe, for vertical contact from the front with cover 	proportion of dangerous failures	
B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Type A Electrical Safety protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	 with low demand rate according to SN 31920 	40 %
failure rate [FIT] with low demand rate according to SN 31920 ISO 13849 device type according to ISO 13849-1 3 overdimensioning according to ISO 13849-2 necessary Yes IEC 61508 safety device type according to IEC 61508-2 Type A Electrical Safety protection class IP on the front according to IEC 60529 IP00; IP20 with cover touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	 with high demand rate according to SN 31920 	73 %
ISO 13849 device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	B10 value with high demand rate according to SN 31920	1 000 000
device type according to ISO 13849-1 overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover		100 FIT
overdimensioning according to ISO 13849-2 necessary IEC 61508 safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	ISO 13849	
safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	device type according to ISO 13849-1	3
safety device type according to IEC 61508-2 Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	overdimensioning according to ISO 13849-2 necessary	Yes
Electrical Safety protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	IEC 61508	
protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	safety device type according to IEC 61508-2	Type A
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front with cover	Electrical Safety	
	protection class IP on the front according to IEC 60529	IP00; IP20 with cover
Approvals Certificates	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with cover
	Approvals Certificates	

General Product Approval

Functional Saftey











Type Examination Certificate

Test Certificates

Marine / Shipping

Type Test Certificates/Test Report

Special Test Certificate

Miscellaneous







Marine / Shipping

other



Confirmation

Miscellaneous

Information on the packaging

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TF6944-0CM7

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TF6944-0CM7

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

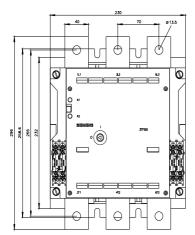
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TF6944-0CM7&lang=en

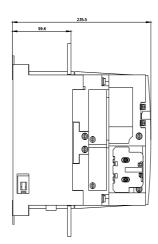
Characteristic: Tripping characteristics, I2t, Let-through current

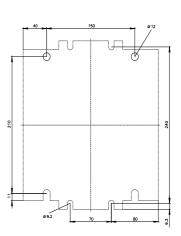
https://support.industry.siemens.com/cs/ww/en/ps/3TF69

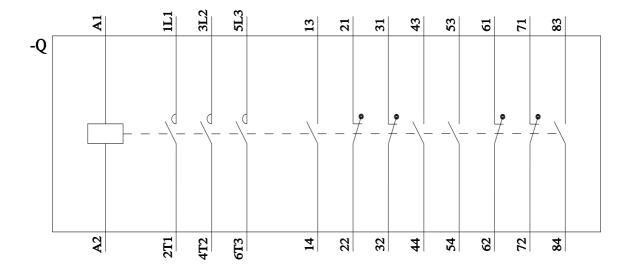
Further characteristics (e.g. electrical endurance, switching frequency)

earch&mlfb=3TF6944-0CM7&objecttype=14&gridview=view1









last modified: 10/30/2024 🖸