SIEMENS

Data sheet 3TF6833-1DP4

Contactor, Size 14, 3-pole, AC-3, 335kW, 400/380 V (690 V) Auxiliary switch 33 (3 NO+3 NC) with reversing contactor 3TC4417-4A and series resistor DC economy circuit 230 V DC





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 safe isolation in networks with grounded star point	
 between auxiliary and auxiliary circuit 	300 V
between main and auxiliary circuit	500 V
shock resistance at rectangular impulse	
• at DC	9.5g / 5 ms, 5.7g / 10 ms
shock resistance with sine pulse	
• at DC	14.5 g / 5 ms, 9.1 g / 10 ms
mechanical service life (switching cycles)	
of contactor typical	5 000 000
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	01.03.2017 00:00:00
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 acc. 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

• at AC-3 rated value maximum • at AC-1 • or to 680 V at ambient temperature 40 °C rated value — up to 680 V at ambient temperature 55 °C rated value — up to 690 V at ambient temperature 55 °C rated value — up to 1000 V at ambient temperature 55 °C rated value — at 1000 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value • at AC-3 at 400 V rated value • at AC-4 at 400 V rated value • at AC-5 at 400 V rated value • at AC-6 at 400 V rated value • at AC-6 at 400 V rated value — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — at 400 V rated value — at 500 V for current peak value n=20 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 1000 V rated value — at 600	operating voltage	
at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 55 °C rated value — up to 1000 V at ambient temperature 55 °C rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 1000 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 400 V for current peak value n=30 rated value — at 1000 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value — up to 600 V for current peak value n=30 rated value	• at AC-3 rated value maximum	690 V
— up to 580 ∨ fat ambient temperature 40 °C rated value — up to 580 ∨ fat ambient temperature 55 °C rated value — up to 1000 ∨ fat ambient temperature 55 °C rated value — up to 1000 ∨ fat or value = 40.00 ∨ fated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=20 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value = 40.00 ∨ for current peak value n=30 rated value	operational current	
rated value — up to 1000 V at ambient temperature 55 °C rated value — up to 1000 V at ambient temperature 55 °C rated value — at 400 V rated value — at 500 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 1000 V rated value — at AC-Ga — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 400 °C minimum permissible operating power • at AC-3 — at 230 V rated value — at 600 V for current peak value n=20 rated value • up to 600 V for current peak value n=20 rated value • up to 600 V for current peak value n=20 rated value • up to 600 V for current peak value n=20 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 600 V for current peak v	• at AC-1	
rated value — up to 1000 V at ambient temperature 55 °C rated value — at 2600 V rated value — at 500 V rated value — at 1000 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 400 °C minimum permissible operational current for approx. 200000 operating operating power • at AC-3 — at 230 V rated value — at 600 V for current peak value n=20 rated value • up to 600 V for current peak value n=20 rated value • up to 600 V for current peak value n=20 rated value • up to 600 V for current peak value n=20 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 600 V for current peak value n=	·	700 A
rated value		630 A
	rated value	450 A
- at 500 V rated value		620 A
- at 690 V rated value - at 1000 V rated value - at AC-6a - up to 500 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value - at 1000 V for current peak value n=20 rated value - up to 400 V for current peak value n=20 rated value - up to 400 V for current peak value n=20 rated value - up to 400 V for current peak value n=20 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=50 rated value - up to 690 V for current peak value n=50 rated value - up to 690 V for current peak value n=50 rated value - up to 690 V for current peak value n=50 rated value - up to 690 V for current peak value n=50 rated value - up to 690 V for current peak value		
- at 1000 V rated value • at AC-4 at 400 V rated value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=30 rated value • at AC-6 — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 40 °C minimum permissible operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 690 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for		
at AC-4 at 400 V rated value at AC-6a — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 40 °C minimum permissible operating current for approx. 200000 operating cycles at AC-4 at 40 °C minimum permissible operating power • at AC-3 — at 230 V rated value — at 690 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690		
• at AC-6a — up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value • at AC-6a — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value connectable conductor cross-section in main circuit at AC-1 — at 40 °C minimum permissible operational current for approx. 200000 operating oycles at AC-4 — at 400 V rated value — at 690 V rated value — at 690 V rated value — at 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak va		
— up to 500 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 40 °C minimum permissible — operating power		610 A
value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value • at AC-8a — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 40 °C minimum permissible coperational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value — at 690 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 400 V rated value — at 690 V rated value — at 900 V rated value — at 900 V rated value — at 1000 V roccurrent peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=50 rated value • up to 500 V for current peak value n=50 rated value • up to 500 V for current peak value n=50 rated value • up to 500 V for current peak value n=50 rated value • up to 500 V for current peak value n=		540 A
value up to 1000 V for current peak value n=20 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value at 40 °C minimum permissible at 400 V rated value at 690 V rated value at 1000 V rated value at 20 rated value at 20 V rated value	value	
value • at AC-8a — up to 400 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value connectable conductor cross-section in main circuit at AC-1 • at 40 °C minimum permissible • at 40 °C minimum permissible • at 400 V rated value 300 A • at 690 V rated value • at 690 V rated value • at 690 V rated value — at 230 V rated value — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V for current peak value n=20 rated value — at 1000 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 400 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 600 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak v	value	
- up to 400 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - at 40 °C minimum permissible - at 40 °C minimum permissible - at 400 V rated value - at 690 V rated value - at 690 V rated value - at 690 V rated value - at 1000 V rated value - at 1000 V rated value - at 1000 V for current peak value n=20 rated value - up to 680 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 680 V for current peak value n=20 rated value - up to 680 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 680 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for current peak value n=30 rated value - up to 690 V for c	value	435 A
value		040.1
value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value connectable conductor cross-section in main circuit at AC-1	value	
value — up to 1000 V for current peak value n=30 rated value connectable conductor cross-section in main circuit at AC-1 • at 40 °C minimum permissible operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 230 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 900 V rated value • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 590 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for curre		342 A
value connectable conductor cross-section in main circuit at AC-1 • at 40 °C minimum permissible operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • at AC-3 — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 900 V rated value — at 900 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=20 rated		342 A
at 40 °C minimum permissible operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 230 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 900 V rated value — at 1000 V rated value • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value value • up to 400 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 590 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 590 V for current peak value n=30 rated value • up to 590 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for 690 V for cu		342 A
operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V rocurrent peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up t		
cycles at AC-4 at 400 V rated value 300 A at 690 V rated value 300 A operating power at AC-3 at AC-3 - at 230 V rated value 200 kW - at 690 V rated value 600 kW - at 1000 V rated value 600 kW operating apparent power at AC-6a 8 up to 400 V for current peak value n=20 rated value 338 kV·A up to 1000 V for current peak value n=20 rated value 586 kV·A value 45 kV·A operating apparent power at AC-6a 226 kV·A up to 400 V for current peak value n=30 rated value 226 kV·A up to 690 V for current peak value n=30 rated value 390 kV·A up to 1000 V for current peak value n=30 rated value 390 kV·A up to 1000 V for current peak value n=30 rated value 592 kV·A thermal short-time current limited to 10 s 5 040 A power loss [W] at AC-3 at 400 V for rated value of the operating frequency 45 W operating frequency 2 000 1/h ot AC-2 at AC-3 maximum 700 1/h ot AC-2 at AC-3 maximum 200 1/h	 at 40 °C minimum permissible 	480 mm²
• at 690 V rated value operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 1000 V rated value — 600 kW operating apparent power at AC-6a • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a • up to 400 V for current peak value n=20 rated value • up to 400 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 4		
operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V rated value 600 kW operating apparent power at AC-6a • up to 400 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value value thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC poperating frequency • at AC-1 maximum • at AC-2 at AC-3 maximum 200 1/h	 at 400 V rated value 	300 A
 at AC-3 at 230 V rated value at 400 V rated value 335 kW at 690 V rated value 600 kW operating apparent power at AC-6a up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value operating apparent power at AC-6a up to 400 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value soperating apparent power at AC-3 at 400 V for rated value thermal short-time current limited to 10 s 5 040 A power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC 2 000 1/h operating frequency at AC-1 maximum at AC-2 at AC-3 maximum 	at 690 V rated value	300 A
- at 230 V rated value - at 400 V rated value - at 690 V rated value - at 1000 V rated value 600 kW operating apparent power at AC-6a • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value value operating apparent power at AC-6a • up to 400 V for current peak value n=20 rated value value operating apparent power at AC-6a • up to 400 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value of the value operational current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency • at AC-1 maximum • at AC-2 at AC-3 maximum 700 1/h • at AC-2 at AC-3 maximum	operating power	
- at 400 V rated value - at 690 V rated value - at 1000 V rated value 600 kW operating apparent power at AC-6a • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • bear 1000 V for current peak value n=30 rated value • 2000 KV-A	• at AC-3	
- at 690 V rated value - at 1000 V rated value 600 kW operating apparent power at AC-6a • up to 400 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value value operating apparent power at AC-6a • up to 400 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value value thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency • at AC-1 maximum • at AC-2 at AC-3 maximum 700 1/h • at AC-2 at AC-3 maximum 200 1/h	— at 230 V rated value	200 kW
— at 1000 V rated value operating apparent power at AC-6a	— at 400 V rated value	335 kW
operating apparent power at AC-6a	— at 690 V rated value	600 kW
up to 400 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 400 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value value thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC-1 maximum at AC-2 at AC-3 maximum 138 kV·A 586 kV·A 752 kV·A 226 kV·A 390 kV·A 592 kV·A 45 W 2000 1/h 2000 1/h 2000 1/h 2000 1/h 2000 1/h 2000 1/h	— at 1000 V rated value	600 kW
 up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 400 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value 592 kV·A thermal short-time current limited to 10 s 5 040 A power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC at AC-1 maximum at AC-2 at AC-3 maximum 200 1/h 	operating apparent power at AC-6a	
up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 400 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC at AC-1 maximum at AC-2 at AC-3 maximum at AC-2 at AC-3 maximum at AC-2 at AC-3 maximum at AC-4 maximum at AC-4 maximum at AC-5 maximum at AC-6 maximum at AC-7 maximum at AC-7 maximum at AC-8 maximum at AC-8 maximum at AC-8 maximum at AC-9 maximum at AC-9 maximum at AC-1 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-1 maximum at AC-1 maximum at AC-2 maximum at AC-3 maximum	• up to 400 V for current peak value n=20 rated value	338 kV·A
operating apparent power at AC-6a • up to 400 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value value thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC operating frequency • at AC-1 maximum • at AC-2 at AC-3 maximum 200 1/h	• up to 690 V for current peak value n=20 rated value	586 kV·A
 up to 400 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC at AC-1 maximum at AC-2 at AC-3 maximum 200 1/h 		752 kV·A
 up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC operating frequency at AC-1 maximum at AC-2 at AC-3 maximum 200 1/h 	operating apparent power at AC-6a	
 up to 1000 V for current peak value n=30 rated value thermal short-time current limited to 10 s 5 040 A power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC 2 000 1/h operating frequency at AC-1 maximum at AC-2 at AC-3 maximum 200 1/h 	• up to 400 V for current peak value n=30 rated value	226 kV·A
thermal short-time current limited to 10 s power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC operating frequency • at AC-1 maximum • at AC-2 at AC-3 maximum 200 1/h	• up to 690 V for current peak value n=30 rated value	390 kV·A
power loss [W] at AC-3 at 400 V for rated value of the operational current per conductor no-load switching frequency at AC operating frequency • at AC-1 maximum • at AC-2 at AC-3 maximum 200 1/h		592 kV·A
operational current per conductor no-load switching frequency at AC operating frequency • at AC-1 maximum • at AC-2 at AC-3 maximum 200 1/h	thermal short-time current limited to 10 s	5 040 A
operating frequency		45 W
 at AC-1 maximum at AC-2 at AC-3 maximum 700 1/h 200 1/h 	no-load switching frequency at AC	2 000 1/h
• at AC-2 at AC-3 maximum 200 1/h	operating frequency	
	• at AC-1 maximum	700 1/h
ontrol circuit/ Control	at AC 2 at AC 3 maximum	200 1/h
	at AC-2 at AC-3 maximum	

control cumply voltage at DC	
control supply voltage at DC	220.17
• rated value	230 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
closing power of magnet coil at DC	1 010 W
holding power of magnet coil at DC	28 W
closing delay	20 **
• at DC	76 110 ms
opening delay	70 110 1110
• at DC	10 50 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	Curious ATT 712
number of NC contacts for auxiliary contacts	
attachable	3
instantaneous contact	3
number of NO contacts for auxiliary contacts	
attachable	2
attachable instantaneous contact	3
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	40.4
• 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	40.4
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 mA)
UL/CSA ratings	, ,
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	630 A
at 600 V rated value	630 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	
— at 200/208 V rated value	231 hp
— at 220/230 V rated value	266 hp
— at 460/480 V rated value	530 hp
— at 575/600 V rated value	664 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	7,000 / 4,000
design of the fuse link	
for short-circuit protection of the main circuit with type of coordination 1 required.	aC: 1000 A (600 V 100 kA)
— with type of coordination 1 required	gG: 1000 A (690 V, 100 kA)
 — with type of assignment 2 required 	gG: 500 A (690 V, 100 kA), aM: 630 A (690 V, 50 kA), BS88: 500 A (415

surface + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter titling sorter + 2.2.5° titlable to the front and back sorter titling sorter + 2.2.5° titlable to the front and back sorter titling sorter + 2.2.5° titlable to the front and back sorter sorter titling sorter + 2.2.5° titlable to the front and back sorter sorter titling sorter + 2.2.5° titlable to the front and back sorter titling sorter + 2.2.5° titlable to the front and back sorter titling sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front and back sorter + 2.2.5° titlable to the front sorter titling sorter + 2.2.5° titlable to the front sorter to sorter the sorter titling sorter + 2.2.5° titlable to front sorter to sorter to sorter to sorter the sorter titling sorter + 2.2.5° titlable to front sorter to sorter the sorter titling sorter the		V, 50 kA)
isabilation/ mounting differentials with vertical mounting surface +/-90" rotalizatile, with vertical mounting yes sets from the surface +/-90" rotalizatile, with vertical mounting surface +/-90" rotalizatile, with rotalizatile, with vertical mounting surface +/-90" rotalizat		fuse gG: 10 A
mounting position astening method screw fixing yes eight side-by-side mounting yes eight 276 mm 297 mm	·	
eside-by-side mounting repth repth repth 237 mm 237 mm 237 mm 237 mm 237 mm 237 mm 238 mm 248 mm 258 mm 2	mounting position	
peright 290 mm aguired spacing with side by-side mounting forwards 20 mm upwards 10 mm at the side 10 mm for grounded parts forwards 20 mm for grounded parts forwards 10 mm at the side 10 mm downwards 10 mm downwards 10 mm downwards 10 mm downwards 10 mm at the side 10 mm downwards 10 mm downwards 10 mm at the side 60 mm for live parts for live parts for wards 10 mm at the side 10 mm downwards 10 mm hickness of connection bar 10 mm at the side 10 mm bickness of connection bar 30 mm hickness of connection bar 11 mm lameter of holes 11 mm lameter of holes 11 mm lameter of holes 11 mm at connectable conductor cross-sections for main current circuit 50 cronectable conductor cross-section for main contacts - stranded - finely stranded with core end processing 14 AWG cables for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • solid or stranded • finely stranded with core end processing 1 at AWG cables for auxiliary contacts • for auxiliary	fastening method	screw fixing
Jepth 297 mm Lepth 297 mm Le	 side-by-side mounting 	Yes
septh quired spacing - with side-by-side mounting - forwards - downwards - at the side - of grounded parts - forwards - at the side - of man contacts - at the side - downwards - for iver parts - forwards - forwards - forwards - forwards - downwards - for man contacts - stranded - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely stranded with core end processing - at AVMS cables for auxiliary contacts - solid - finely s	height	276 mm
equired spacing • with side-by-side mounting — forwards — upwards — upwards — of grounded parts — of grounded parts — of grounded parts — upwards — upwards — upwards — upwards — at the side — downwards — 10 mm — at the side — downwards — 10 mm — of grounded parts — of grounded parts — of grounded parts — upwards — at the side — downwards — upwards — upwards — of grounded parts — of	width	230 mm
with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side — downwards — downwards — at the side — downwards — forwards — at the side — downwards — forwards — upwards — forwards — downwards — forwards — upwards — upwards — downwards — upwards — downwards — upwards — downwards — upwards — downwards — at the side — to mm — at the side — to mm — at the side — to mm — downwards — to mm — to mm — downwards — to mm	depth	237 mm
- forwards	required spacing	
- upwards - downwards - at the side • for grounded parts - forwards - upwards - upwards - upwards - upwards - upwards - downwards - downwards - downwards - for live parts - forwards - upwards - downwards - upwards -	with side-by-side mounting	
- downwards - at the side - for grounded parts - forwards - upwards - upwards - at the side - downwards - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - upwards - upwards - downwards - the side - for man connection bar - finely stranded with core end processing - at AWG cables for auxiliary contacts - for auxiliary cont	— forwards	20 mm
- at the side • for grounded parts - chowards - upwards - at the side - downwards - for live parts - forwards - upwards - forwards - downwards - upwards - upwards - upwards - upwards - upwards - upwards - downwards - downwards - at the side - manufactions/ forminals width of connection bar hickness of connection bar hickness of connection bar ill mm - mine of holes 11 mm - umber of holes 12 yee of electrical connection • for auxiliary and control circuit • at contactor for auxiliary contacts - stranded - Inely stranded with core end processing • at AVIG cables for main contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • at AVIG cables for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts -	— upwards	10 mm
• for grounded parts — forwards — upwards — at the side — downwards 9 for live parts — forwards — upwards — of wards — of of wards —	— downwards	10 mm
- forwards - upwards - upwards - at the side - downwards - for live parts - forwards - upwards - for live parts - forwards - upwards - upwards - upwards - forwards - upwards - 10 mm - downwards - at the side - 10 mm - onnections/ Terminals width of connection bar - diameter of holes - umber of holes - the side - for auxiliary and control circuit - for auxiliary and control circuit - of or auxiliary and control circuit - of or auxiliary and control cross-sections - finely stranded with core end processing - at AVNG cables for main contacts - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - for auxiliary contacts - solid - finely stranded with core end processing - for auxiliary contacts - for auxiliary contac	— at the side	10 mm
- upwards - at the side - downwards • for live parts - forwards - upwards - upwards - upwards - downwards - downwa	 for grounded parts 	
- at the side - downwards - for live parts - forwards - upwards - downwards - downwards - downwards - downwards - downwards - at the side - downwards - downwa	— forwards	20 mm
- downwards • for live parts - forwards - upwards - upwards - at the side - at the side - onnections / Terminals width of connection bar hickness of connection bar fliameter of holes - to finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for main contable conductor cross-sections • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • for auxiliary contacts - solid - finely stranded with core end processing • at AWG cables for auxiliary contacts - for auxiliar	— upwards	10 mm
• for live parts — forwards — upwards — downwards — downwards — at the side formections/ Terminals width of connection bar hickness of connection bar diameter of holes type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts — stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts - solid — finely stranded with core end processing • at AWG cables for auxiliary contacts - for auxiliary contacts	— at the side	10 mm
- forwards - upwards - downwards - downwards - at the side - downwards - downwar	— downwards	10 mm
- upwards	for live parts	
- downwards	— forwards	20 mm
- at the side 10 mm Description Ferminals width of connection bar diameter of holes 11 mm Dumber of holes 11 mm Dumber of holes 11 mm Description of holes 12 mm of holes 13 mm of holes 14 mm of holes 15 mm of holes 15 mm of holes 16 mm of holes 17 mm of holes 18 mm of holes 19 mm of hol	— upwards	10 mm
width of connection bar hickness of connection bar hickness of connection bar diameter of holes number of holes 11 mm suppe of electrical connection e for main current circuit e at contactor for auxiliary contacts ype of connectable conductor cross-sections e for main contacts — stranded — finely stranded with core end processing e at AWG cables for main contacts e finely stranded with core end processing e solid or stranded e finely stranded with core end processing e finely stranded with core end processing e solid or stranded e finely stranded with core end processing e at AWG cables for auxiliary contacts e solid or stranded e finely stranded with core end processing e at AWG cables for auxiliary contacts e solid or stranded e finely stranded with core end processing e at AWG cables for auxiliary contacts e for auxiliary contacts — solid — finely stranded with core end processing e at AWG cables for auxiliary contacts AWG mumber as coded connectable conductor cross-sections e for main contacts e for main contacts for main contacts for main contacts for main contacts for maxiliary contact acc. to IEC 60947-4-1 for maxiliary contact acc maxiliary contact acc. to IEC 60947-4-1 for maxiliary contact acc ma	— downwards	10 mm
width of connection bar hickness of connection bar hickness of connection bar diameter of holes type of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • for main contacts — stranded — finely stranded with core end processing • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts • for auxiliary contacts • for main contacts • for m	— at the side	10 mm
Alickness of connection bar diameter of holes number of holes of connection bar of connection bar of connectable conductor cross-sections of connectable conductor cross-sections of main contacts of the stranded of holes and the stranded with core end processing onnectable conductor cross-section for main contacts of help stranded with core end processing onnectable conductor cross-section for auxiliary contacts of help stranded with core end processing of connectable conductor cross-sections of finely stranded with core end processing of connectable conductor cross-sections of for auxiliary contacts of of auxiliary contacts of of auxiliary contacts of of main contacts of or main contacts of o	onnections/ Terminals	
Alickness of connection bar diameter of holes number of holes of connection bar of connection bar of connectable conductor cross-sections of connectable conductor cross-sections of main contacts of the stranded of holes and the stranded with core end processing onnectable conductor cross-section for main contacts of help stranded with core end processing onnectable conductor cross-section for auxiliary contacts of help stranded with core end processing of connectable conductor cross-sections of finely stranded with core end processing of connectable conductor cross-sections of for auxiliary contacts of of auxiliary contacts of of auxiliary contacts of of main contacts of or main contacts of o	width of connection bar	30 mm
sype of electrical connection • for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • for main contacts — stranded — finely stranded with core end processing • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts • for main contact acc. to IEC 60947-4-1 Yes; One NC contact each must be connected in series for the right and product function mirror contact acc. to IEC 60947-4-1	thickness of connection bar	6 mm
ype of electrical connection • for main current circuit • at contactor for auxiliary and control circuit • at contactor for auxiliary contacts • for main contacts — stranded — finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts • for auxiliary contacts • for main contacts • for main contacts • for main contacts • for main contacts • fo	diameter of holes	11 mm
• for main current circuit • for auxiliary and control circuit • at contactor for auxiliary contacts • at contactor for auxiliary contacts • for main contacts — stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid — finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for main contacts • for	number of holes	1
• for auxiliary and control circuit • at contactor for auxiliary contacts ype of connectable conductor cross-sections • for main contacts — stranded — finely stranded with core end processing • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for main contacts • for main contacts • for main contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for on auxiliary contacts • for one for one for one for one	type of electrical connection	
• at contactor for auxiliary contacts type of connectable conductor cross-sections • for main contacts — stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts • for main contacts • for main contacts • for main contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxilia	for main current circuit	Connection bar
• at contactor for auxiliary contacts type of connectable conductor cross-sections • for main contacts — stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts • for main contacts • for main contacts • for main contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxilia	 for auxiliary and control circuit 	screw-type terminals
eype of connectable conductor cross-sections • for main contacts — stranded — finely stranded with core end processing • at AWG cables for main contacts • finely stranded with core end processing connectable conductor cross-section for main contacts • finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts • for main contacts • for main contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for or auxiliary cont		
• for main contacts — stranded — finely stranded with core end processing • at AWG cables for main contacts 2/0 240 mm² 50 240 mm² 2/0 500 kcmil connectable conductor cross-section for main contacts • finely stranded with core end processing contacts • solid or stranded • finely stranded with core end processing of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross-section • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • for main contacts • for auxiliary c	type of connectable conductor cross-sections	
 finely stranded with core end processing at AWG cables for main contacts finely stranded with core end processing finely stranded with core end processing solid or stranded finely stranded with core end processing solid or stranded finely stranded with core end processing finely stranded with core end processing for auxiliary contacts at AWG cables for auxiliary contacts at AWG cables for auxiliary contacts for main contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts for auxiliary contacts for main contacts for auxiliary contacts<!--</td--><td></td><td></td>		
 at AWG cables for main contacts finely stranded with core end processing solid or stranded finely stranded with core end processing for auxiliary contacts at AWG cables for auxiliary contacts at AWG cables for auxiliary contacts for main contacts for auxiliary contacts at AWG number as coded connectable conductor crossection for main contacts for auxiliary con	— stranded	70 240 mm²
at AWG cables for main contacts connectable conductor cross-section for main contacts in finely stranded with core end processing connectable conductor cross-section for auxiliary contacts in solid or stranded infinely stranded with core end processing in for auxiliary contacts in solid in finely stranded with core end processing in for auxiliary contacts in solid in finely stranded with core end processing in at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section in for main contacts in for auxiliary contacts at AWG number as coded connectable conductor cross section in for main contacts in for auxiliary contacts in for auxiliary contact	 finely stranded with core end processing 	50 240 mm²
e finely stranded with core end processing connectable conductor cross-section for auxiliary contacts e solid or stranded e finely stranded with core end processing cype of connectable conductor cross-sections e for auxiliary contacts — solid — finely stranded with core end processing e for auxiliary contacts — solid — finely stranded with core end processing e at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section e for main contacts for auxiliary contacts 100 100 100 100 100 100 100 1		2/0 500 kcmil
• finely stranded with core end processing connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts — for main contacts • for auxiliary contacts — for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts — for main contacts • for main contacts • for auxiliary contacts — solid — for main contacts • for auxiliary contacts — solid — for main contacts • for or auxiliary contacts • for main contacts • for auxiliary contacts • for auxiliary contac	connectable conductor cross-section for main	
connectable conductor cross-section for auxiliary contacts • solid or stranded • finely stranded with core end processing oppe of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 10.5 2.5 mm² 2x (0.5 1.0 mm²), 2x (1.0 2.5 mm²) 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 contacts		240 F0 mm²
 solid or stranded finely stranded with core end processing for auxiliary contacts at AWG cables for auxiliary contacts for main contacts for auxiliary contacts at offer auxiliary contacts for main contacts for auxiliary contacts 2x (0.5 1.0 mm²), 2x (1.0 2.5 mm²) 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 contacts<td></td><td>240 50 IIIIII</td>		240 50 IIIIII
 finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts fo	connectable conductor cross-section for auxiliary contacts	
eype of connectable conductor cross-sections • for auxiliary contacts — solid — finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts 500 • for auxiliary contacts • fo	 solid or stranded 	
 for auxiliary contacts solid finely stranded with core end processing at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts for auxiliary contacts 700		0.5 2.5 mm²
— solid — finely stranded with core end processing • at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for main contacts • for auxiliary contacts • fo	type of connectable conductor cross-sections	
 finely stranded with core end processing at 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 for data for data for by related data for by related data for by related data Yes; One NC contact each must be connected in series for the right and the right	for auxiliary contacts	
 at AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section for main contacts for auxiliary contacts afety related data broduct function mirror contact acc. to IEC 60947-4-1 Yes; One NC contact each must be connected in series for the right and 	— 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 • for auxiliary con	 finely stranded with core end processing 	2x (0.5 1.0 mm²), 2x (0.75 2.5 mm²)
• for main contacts • for auxiliary contacts • for auxiliary contacts • for au	· · · · · · · · · · · · · · · · · · ·	2x (18 12)
• for auxiliary contacts 18 12 afety related data product function mirror contact acc. to IEC 60947-4-1 Yes; One NC contact each must be connected in series for the right and	AWG number as coded connectable conductor cross section	
afety related data product function mirror contact acc. to IEC 60947-4-1 Yes; One NC contact each must be connected in series for the right and	for main contacts	500
afety related data product function mirror contact acc. to IEC 60947-4-1 Yes; One NC contact each must be connected in series for the right and	for auxiliary contacts	18 12
product function mirror contact acc. to IEC 60947-4-1 Yes; One NC contact each must be connected in series for the right and	afety related data	
	product function mirror contact acc. to IEC 60947-4-1	Yes; One NC contact each must be connected in series for the right and left auxiliary switch block respectively

product function positively driven operation acc. to IEC

No

60947-5-1

protection class IP on the front acc. to IEC 60529

IP00

Certificates/ approvals

General Product Approval

Functional Safety/Safety of Machinery











Type Examination
Certificate

Declaration of Conformity

Test Certificates

Marine / Shipping

UK Declaration of Conformity



Miscellaneous

Type Test Certificates/Test Report

Special Test Certificate



Marine / Shipping

other

Railway





Confirmation

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=3TF6833-1DP4

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3TF6833-1DP4}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3TF6833-1DP4

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

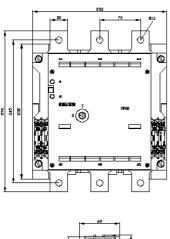
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TF6833-1DP4&lang=en

Characteristic: Tripping characteristics, I2t, Let-through current

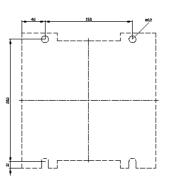
https://support.industry.siemens.com/cs/ww/en/ps/3TF6833-1DP4/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TF6833-1DP4&objecttype=14&gridview=view1

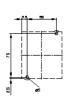




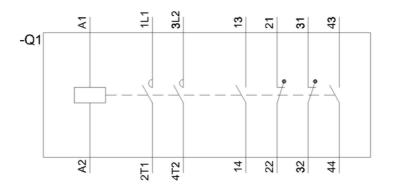




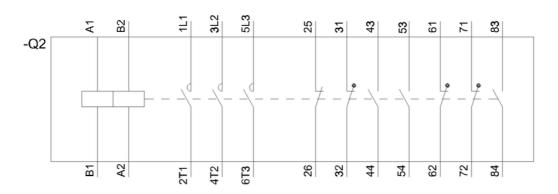




3TC4417-0Axx



3TF(68,69)33-(1D,8D)xx



last modified: 7/2/2021 🖸