500 V		A	64
660/690 V		A	42
Short-circuit protection maximum fuse			
Type “2” coordination	gL/gG	A	10
Type “1” coordination	gL/gG	A	20

AC

AC-1 duty			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	A	22
at 50 °C	$I_{th} = I_e$	A	20
at 55 °C	$I_{th} = I_e$	A	19
enclosed	I_{th}	A	16
Notes			At maximum permissible ambient air temperature.
Conventional free air thermal current, 1 pole			
Notes			At maximum permissible ambient air temperature.
open	I_{th}	A	50
enclosed	I_{th}	A	40
AC-3 duty			
Rated operational current AC-3 open, 50 - 60 Hz, 3 pole	I_e		
Notes			At maximum permissible ambient air temperature.
220/230 V	I_e	A	9
240 V	I_e	A	9
380/400 V	I_e	A	9
415 V	I_e	A	9
440V	I_e	A	9
500 V	I_e	A	6.4
660/690 V	I_e	A	4.8
Motor rating	P	kWh	
220/230 V	P	kW	2.2
240V	P	kW	2.5
380/400 V	P	kW	4
415 V	P	kW	4.3
440 V	P	kW	4
500 V	P	kW	4
660/690 V	P	kW	4
AC-4 duty			
Rated operational current AC-4 open, 50 - 60 Hz, 3 pole	I_e		
Notes			At maximum permissible ambient air temperature.
220/230 V	I_e	A	6.6
240 V	I_e	A	6.6
380/400 V	I_e	A	6.6
415 V	I_e	A	6.6
440 V	I_e	A	6.6
500 V	I_e	A	5
660/690 V	I_e	A	3.4
Motor rating	P	kWh	
220/230 V	P	kW	1.5
240 V	P	kW	1.8
380/400 V	P	kW	3
415 V	P	kW	3.1
440 V	P	kW	3
500 V	P	kW	3
660/690 V	P	kW	3

DC

Rated operational current, open	I_e		
DC - -1			
12 V	I_e	A	20
24 V	I_e	A	20
60 V	I_e	A	20
110 V	I_e	A	20
220 V	I_e	A	20
DC - 3			
12 V	I_e	A	8
24 V	I_e	A	8
60 V	I_e	A	4
110 V	I_e	A	3
DC - 5			
12 V	I_e	A	2.5
24 V	I_e	A	2.5
60 V	I_e	A	2.5
110 V	I_e	A	1.5
220 V	I_e	A	0.3
Current heat losses (3- or 4-pole)			
to I_{th}		W	2
at I_e to AC-3/400 V		W	0.5

Magnet systems

Voltage tolerance		x U_c	
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Pick-up	x U_c	0.8 - 1.1
Dual-frequency coil 50/60 Hz	Pick-up	x U_c	0.85 - 1.1
Power consumption			
AC operation			
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Pick-up	VA	25
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Pick-up	W	22
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Sealing	VA	4.6
Single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz	Sealing	W	1.3
Dual-frequency coil 50/60 Hz at 50 Hz	Pick-up	VA	30
Dual-frequency coil 50/60 Hz at 50 Hz	Pick-up	W	26
Dual-frequency coil 50/60 Hz at 50 Hz	Sealing	VA	5.4
Dual-frequency coil 50/60 Hz at 50 Hz	Sealing	W	1.6
Dual-frequency coil 50/60 Hz at 60 Hz	Pick-up	VA	29
Dual-frequency coil 50/60 Hz at 60 Hz	Pick-up	W	24
Dual-frequency coil 50/60 Hz at 60 Hz	Sealing	VA	3.9
Dual-frequency coil 50/60 Hz at 60 Hz	Sealing	W	1.1
DC operation			
Notes			Smoothed DC voltage or three-phase bridge rectifier
Duty factor		% DF	100
Switching times at 100 % U_c			
Make contact		ms	
Closing delay		ms	
Closing delay min.		ms	14
Closing delay max.		ms	21
Opening delay		ms	
Opening delay min.		ms	8
Opening delay max.		ms	18
Closing delay with top mounting auxiliary contact		ms	max. 45
Reversing contactors			