

			2 x (0.75 - 2.5)
Flexible with ferrule		mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Solid or stranded		AWG	18 - 14
Stripping length		mm	10
Terminal screw			M3.5
Tightening torque		Nm	1.2
Tool			
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	0.8 x 5.5 1 x 6

Main conducting paths

Rated impulse withstand voltage	U_{imp}	V AC	8000
Overvoltage category/pollution degree			III/3
Rated insulation voltage	U_i	V AC	690
Rated operational voltage	U_e	V AC	690
Safe isolation to EN 61140			
between coil and contacts		V AC	440
between the contacts		V AC	440
Making capacity (p.f. to IEC/EN 60947)			
	Up to 690 V	A	238
Breaking capacity			
220 V 230 V		A	170
380 V 400 V		A	170
500 V		A	170
660 V 690 V		A	120
Short-circuit rating			
Short-circuit protection maximum fuse			
Type "2" coordination			
400 V	gG/gL 500 V	A	35
690 V	gG/gL 690 V	A	35
Type "1" coordination			
400 V	gG/gL 500 V	A	63
690 V	gG/gL 690 V	A	50

AC

AC-1			
Rated operational current			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	A	40
at 50 °C	$I_{th} = I_e$	A	38
at 55 °C	$I_{th} = I_e$	A	37
at 60 °C	$I_{th} = I_e$	A	35
enclosed	I_{th}	A	32
Conventional free air thermal current, 1 pole			
open	I_{th}	A	88
enclosed	I_{th}	A	80
AC-3			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
Notes			At maximum permissible ambient temperature (open.) Also tested according to AC-3e.
220 V 230 V	I_e	A	18
240 V	I_e	A	18
380 V 400 V	I_e	A	18
415 V	I_e	A	18

440V	I _e	A	18
500 V	I _e	A	18
660 V 690 V	I _e	A	12
Motor rating	P	kWh	
220 V 230 V	P	kW	5
240V	P	kW	5.5
380 V 400 V	P	kW	7.5
415 V	P	kW	10
440 V	P	kW	10.5
500 V	P	kW	12
660 V 690 V	P	kW	11
AC-4			
Open, 3-pole: 50 – 60 Hz			
220 V 230 V	I _e	A	10
240 V	I _e	A	10
380 V 400 V	I _e	A	10
415 V	I _e	A	10
440 V	I _e	A	10
500 V	I _e	A	10
660 V 690 V	I _e	A	8
Motor rating	P	kWh	
220 V 230 V	P	kW	2.5
240 V	P	kW	3
380 V 400 V	P	kW	4.5
415 V	P	kW	5
440 V	P	kW	5.5
500 V	P	kW	6
660 V 690 V	P	kW	6.5

DC

Rated operational current, open			
DC-1			
60 V	I _e	A	35
110 V	I _e	A	35
220 V	I _e	A	35

Current heat loss

3 pole, at I _{th} (60°)		W	7.9
Current heat loss at I _e to AC-3/400 V		W	2.1
Impedance per pole		mΩ	2.7

Magnet systems

Voltage tolerance			
AC operated	Pick-up	x U _c	0.8 - 1.1
Drop-out voltage AC operated	Drop-out	x U _c	0.3 - 0.6
Power consumption of the coil in a cold state and 1.0 x U _S			
50 Hz	Pick-up	VA	52
50 Hz	Sealing	VA	7.1
50 Hz	Sealing	W	2.1
60 Hz	Pick-up	VA	67
60 Hz	Sealing	VA	8.7
60 Hz	Sealing	W	2.1
Duty factor		% DF	100
Changeover time at 100 % U _S (recommended value)			
Main contacts			
AC operated			
Closing delay		ms	16 - 22