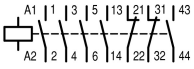
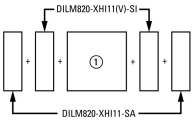
DATASHEET - DILM500/22-SOND698

Contactor, 380 V 400 V 265 kW, 2 N/O, 2 NC, RA 250: 230 - 250 V 40 - 60 Hz, AC operation, Screw connection

Powering Business Worldwide™

Part no.	**DILM500/22-SOND698**
Catalog No.	**284948**
Alternate Catalog No.	**XTCE500M22-S698**

Delivery program

Product range			Contactors
Application			Contactors for Motors
Subrange			Special-purpose devices rated for currents greater than 170 A
Utilization category			AC-1: Non-inductive or slightly inductive loads, resistance furnaces NAC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
Connection technique			Screw connection
Rated operational current			
AC-3			
380 V 400 V	I_e	A	500
AC-1			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	A	800
enclosed	I_{th}	A	600
Conventional free air thermal current, 1 pole			
open	I_{th}	A	1625
enclosed	I_{th}	A	1500
Max. rating for three-phase motors, 50 - 60 Hz			
AC-3			
220 V 230 V	P	kW	155
380 V 400 V	P	kW	265
660 V 690 V	P	kW	300
1000 V	P	kW	132
AC-4			
220 V 230 V	P	kW	112
380 V 400 V	P	kW	200
660 V 690 V	P	kW	240
1000 V	P	kW	132
Contact sequence			
Can be combined with auxiliary contact			DILM820-XHI…
Actuating voltage			RA 250: 230 - 250 V 40 - 60 Hz
Voltage AC/DC			AC operation
Contacts			
N/O = Normally open			2 N/O
N/C = Normally closed			2 NC
Auxiliary contacts			
possible variants at auxiliary contact module fitting options			on the side: 2 x DILM820-XHI11(V)-SI; 2 x DILM820-XHI11-SA
Side mounting auxiliary contacts			
Instructions			Interlocked opposing contacts according to IEC/EN 60947-5-1 Appendix L, inside the auxiliary contact module

			Auxiliary contacts used as mirror contacts according to IEC/EN 60947-4-1 Appendix F (not N/C late open)
Instructions			integrated suppressor circuit in actuating electronics 660 V, 690 V or 1000 V: not directly reversing

Technical data

AC

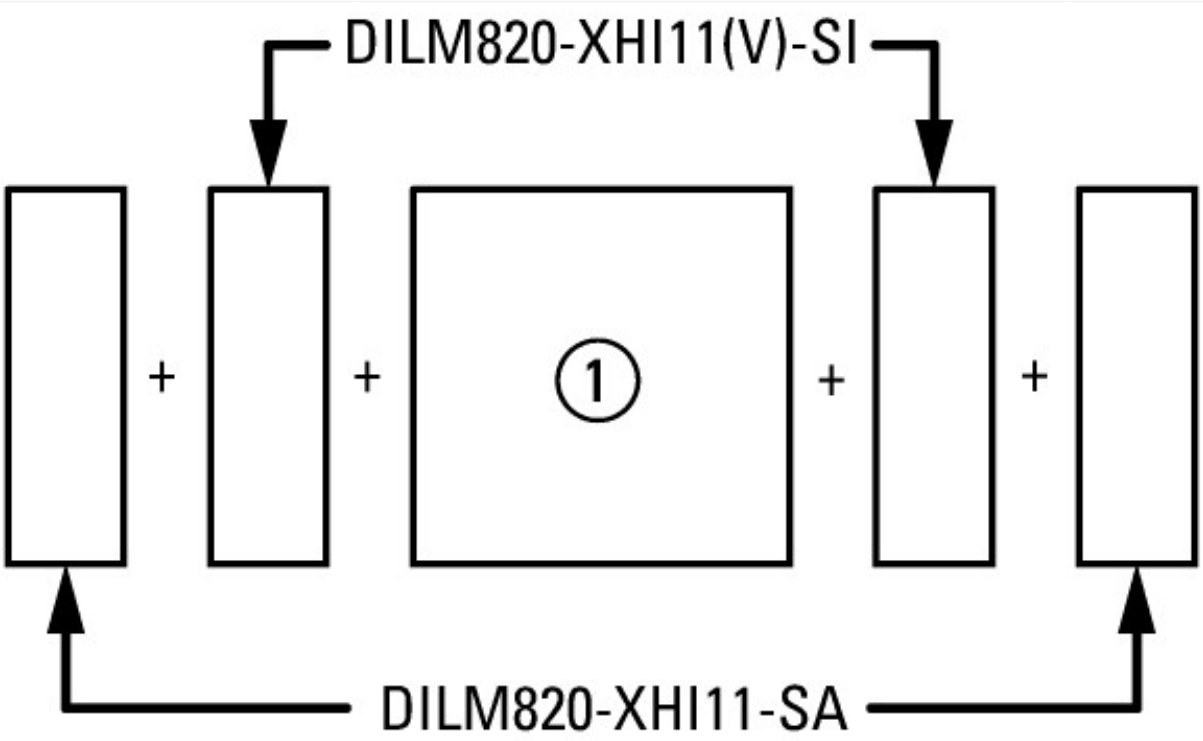
AC-1			
Rated operational current			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	A	800
at 50 °C	$I_{th} = I_e$	A	715
at 55 °C	$I_{th} = I_e$	A	682
at 60 °C	$I_{th} = I_e$	A	650
enclosed	I_{th}	A	600
Conventional free air thermal current, 1 pole			
open	I_{th}	A	1625
enclosed	I_{th}	A	1500
AC-3			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
220 V 230 V	I_e	A	500
240 V	I_e	A	500
380 V 400 V	I_e	A	500
415 V	I_e	A	500
440V	I_e	A	500
500 V	I_e	A	500
660 V 690 V	I_e	A	325
1000 V	I_e	A	95
Motor rating	P	kWh	
220 V 230 V	P	kW	155
240V	P	kW	170
380 V 400 V	P	kW	265
415 V	P	kW	290
440 V	P	kW	315
500 V	P	kW	355
660 V 690 V	P	kW	300
1000 V	P	kW	132
AC-4			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
220 V 230 V	I_e	A	360
240 V	I_e	A	360
380 V 400 V	I_e	A	360
415 V	I_e	A	360
440 V	I_e	A	360
500 V	I_e	A	360
660 V 690 V	I_e	A	260
1000 V	I_e	A	95
Motor rating	P	kWh	
220 V 230 V	P	kW	112
240 V	P	kW	122
380 V 400 V	P	kW	200
415 V	P	kW	216

440 V	P	kW	229
500 V	P	kW	250
660 V 690 V	P	kW	240
1000 V	P	kW	132

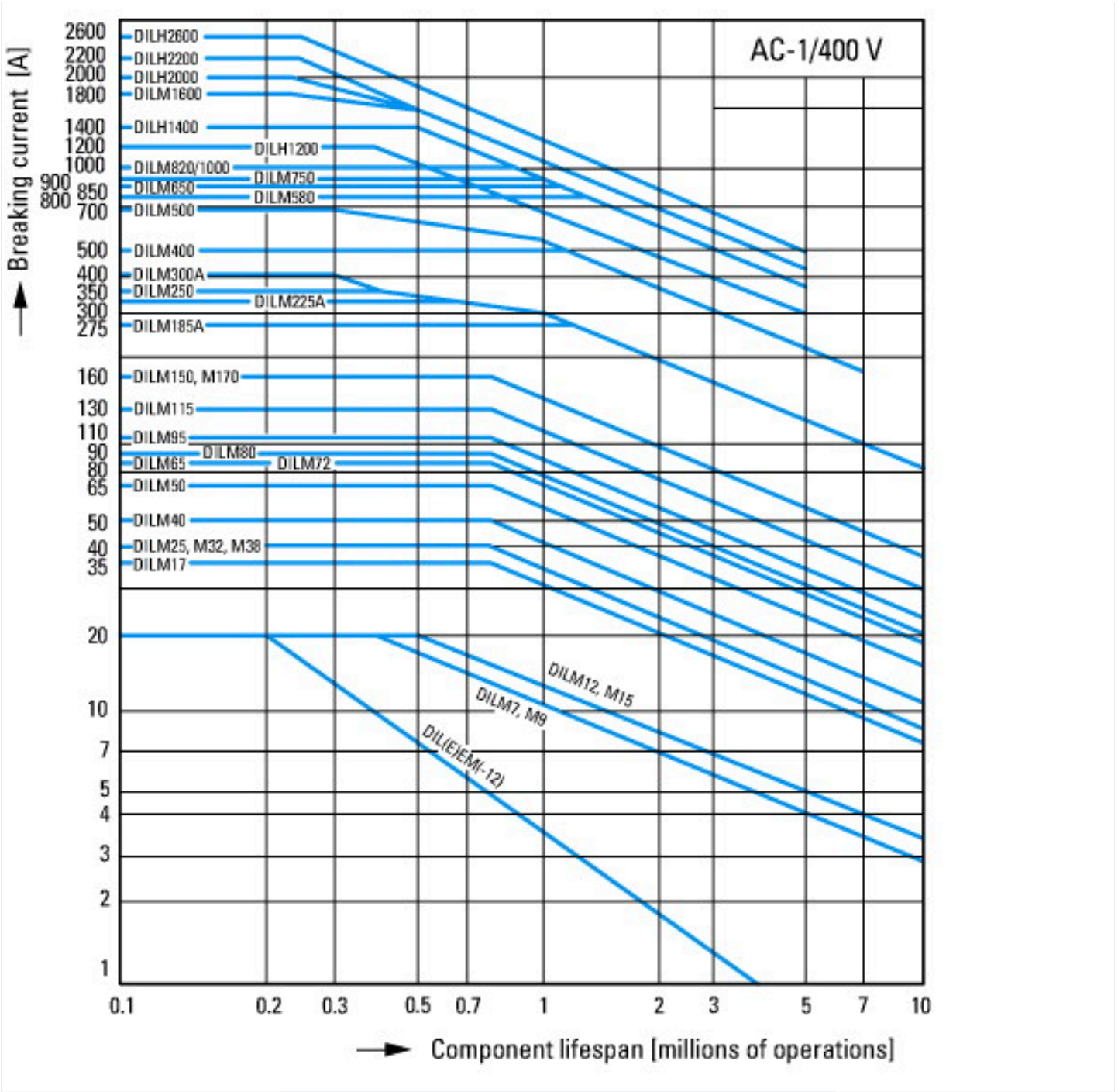
DC

Rated operational current, open			
DC-1			
Notes			see DILDC300/DILDC600 or on request

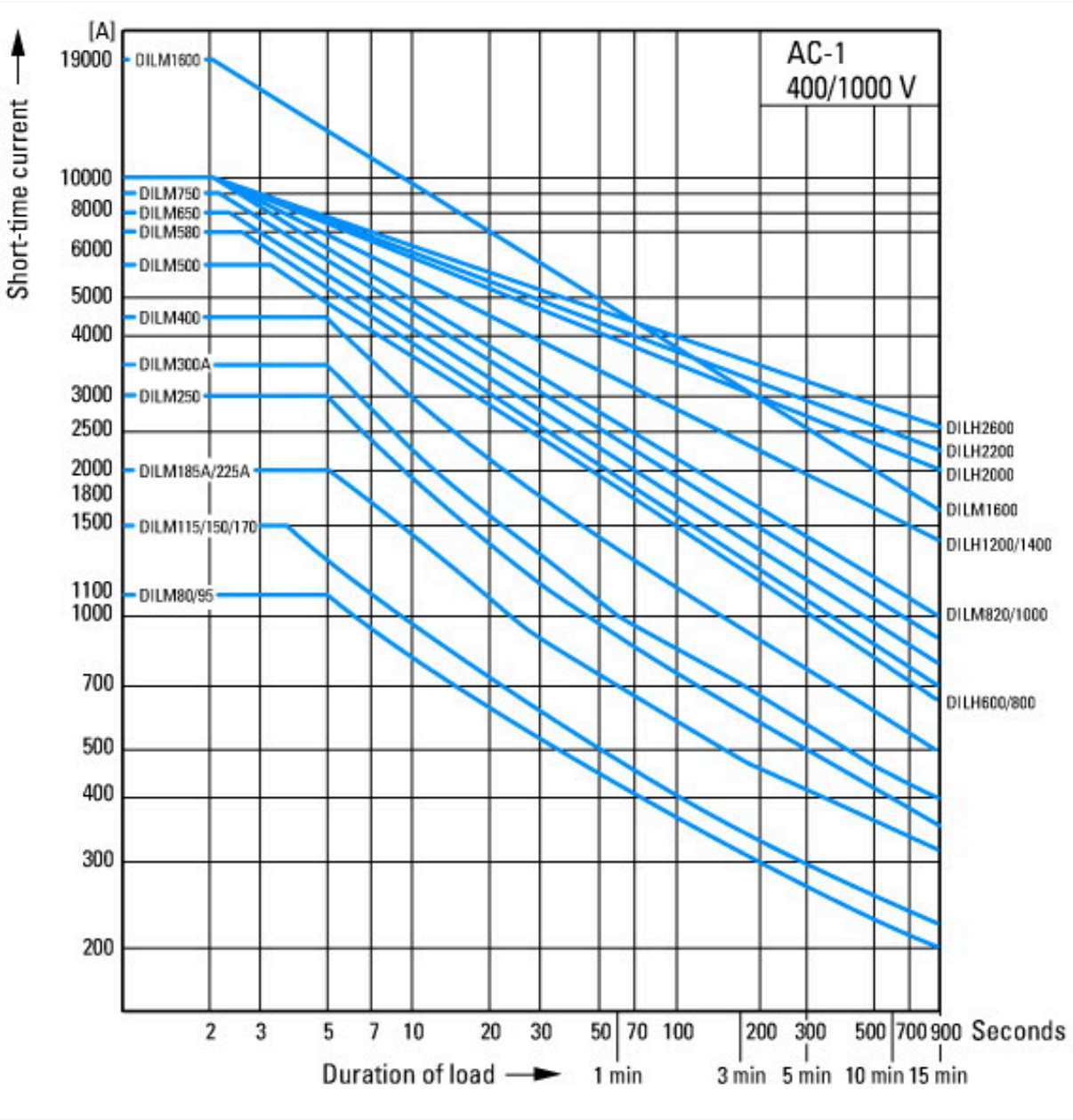
Characteristics



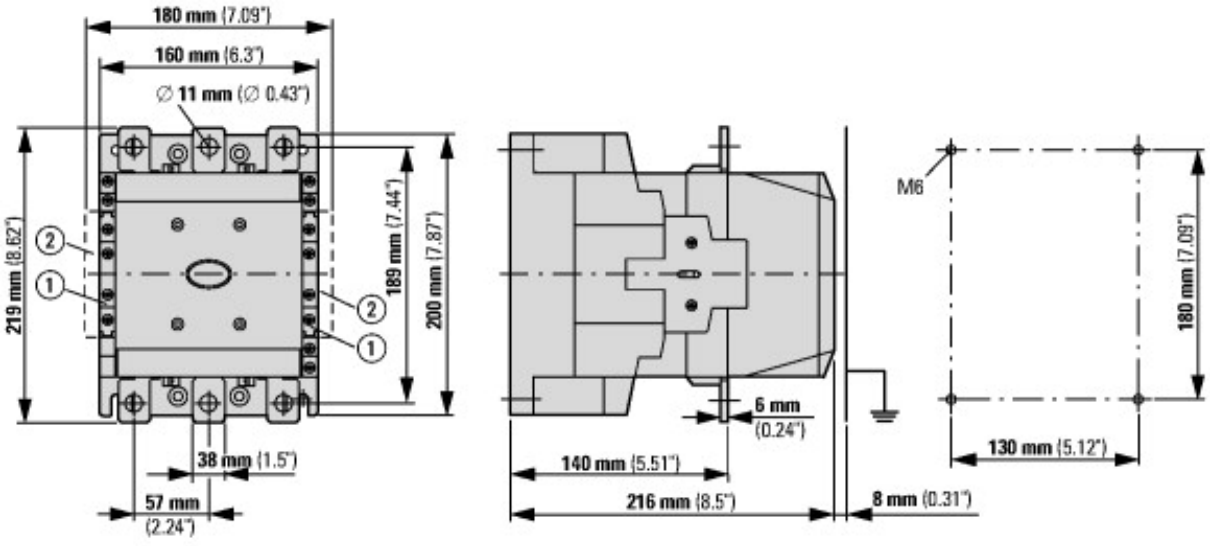
on the side: 2 x DILM820-XHI11(V)-SI; 2 x DILM820-XHI11-SA



Switching conditions for 3 pole, non-motor loads
Operating characteristics
Non inductive and slightly inductive loads
Electrical characteristics
Switch on: 1 x rated operational current
Switch off: 1 x rated operational current
Utilization category
100 % AC-1
Typical examples of application
Electric heat



Dimensions



① DILM820-XHI11(V)-SI
② DILM820-XHI11-SA

Additional product information (links)

Motor starters and "Special Purpose Ratings" for the North American market	http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf
Switchgear of Power Factor Correction Systems	http://www.moeller.net/binary/ver_techpapers/ver934en.pdf

X-Start - Modern Switching Installations Efficiently Fitted and Wired Securely	http://www.moeller.net/binary/ver_techpapers/ver938en.pdf
Mirror Contacts for Highly-Reliable Information Relating to Safety-Related Control Functions	http://www.moeller.net/binary/ver_techpapers/ver944en.pdf
Effect of the Cabel Capacitance of Long Control Cables on the Actuation of Contactors	http://www.moeller.net/binary/ver_techpapers/ver949en.pdf
Switchgear for Luminaires	http://www.moeller.net/binary/ver_techpapers/ver955en.pdf
Standard Compliant and Functionally Safe Engineering Design with Mechanical Auxiliary Contacts	http://www.moeller.net/binary/ver_techpapers/ver956en.pdf
The Interaction of Contactors with PLCs	http://www.moeller.net/binary/ver_techpapers/ver957en.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf