
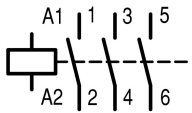




Contactors, 3 pole, 380 V 400 V 30 kW, 110 V 50 Hz, 120 V 60 Hz, AC operation, Screw terminals

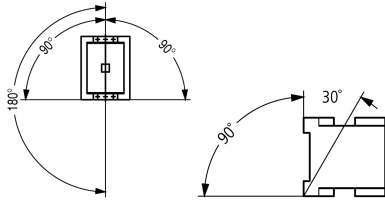
Part no. DILM65(110V50HZ,120V60HZ)
Catalog No. 277891
Alternate Catalog No. XTCE065D00A
EL-Nummer (Norway) 4130456

Delivery program

Product range				Contactors
Application				Contactors for Motors
Subrange				Contactors up to 170 A, 3 pole
Utilization category				AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3/AC-3e: Normal AC induction motors: Starting, switching off while running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
				
Notes				Also suitable for motors with efficiency class IE3.
Connection technique				Screw terminals
Number of poles				3 pole
Rated operational current				
AC-3				
Notes				At maximum permissible ambient temperature (open.) Also tested according to AC-3e.
380 V 400 V	I_e	A		65
AC-1				
Conventional free air thermal current, 3 pole, 50 - 60 Hz				
Open				
at 40 °C	$I_{th} = I_e$	A		98
enclosed	I_{th}	A		72
Conventional free air thermal current, 1 pole				
open	I_{th}	A		200
enclosed	I_{th}	A		180
Max. rating for three-phase motors, 50 - 60 Hz				
AC-3				
220 V 230 V	P	kW		20
380 V 400 V	P	kW		30
660 V 690 V	P	kW		35
AC-4				
220 V 230 V	P	kW		7
380 V 400 V	P	kW		12
660 V 690 V	P	kW		17
Contact sequence				
Instructions				Contacts to EN 50 012.
Can be combined with auxiliary contact				DILM150-XHI(V)... DILM1000-XHI(V)...
Actuating voltage				110 V 50 Hz, 120 V 60 Hz
Voltage AC/DC				AC operation
Connection to SmartWire-DT				no
Frame size				3

Technical data

General

Standards			IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical			
AC operated	Operations	$\times 10^6$	10
Operating frequency, mechanical			
AC operated	Operations/h		5000
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open	°C		-25 - +60
Enclosed	°C		-25 - 40
Storage	°C		-40 - 80
Mounting position			
Mechanical shock resistance (IEC/EN 60068-2-27)			
Half-sinusoidal shock, 10 ms			
Main contacts			
N/O contact	g		10
Auxiliary contacts			
N/O contact	g		7
N/C contact	g		5
Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted			
Half-sinusoidal shock, 10 ms			
Main contacts			
N/O contact	g		10
Auxiliary contacts			
N/O contact	g		7
N/C contact	g		5
Degree of Protection			IP00
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Altitude	m		Max. 2000
Weight			
AC operated	kg		0.872
Screw connector terminals			
Terminal capacity main cable			
Solid	mm ²		1 x (0.75 - 16) 2 x (0.75 - 16)
Flexible with ferrule	mm ²		1 x (0.75 - 35) 2 x (0.75 - 25)
Stranded	mm ²		1 x (16 - 50) 2 x (16 - 35)
Solid or stranded	AWG		single 14 - 1, double 14 - 2
Flat conductor	Lamellenzahl x Breite x Dicke	mm	2 x (6 x 9 x 0.8)
Stripping length	mm		14
Terminal screw			M6
Tightening torque	Nm		3.3
Tool			
Pozidriv screwdriver	Size		2
Standard screwdriver	mm		0.8 x 5.5 1 x 6
Terminal capacity control circuit cables			