



**Contactor,22kW/400V,AC-operated**



*Powering Business Worldwide™*

**Part no. DILM50(230V50HZ,240V60HZ)**  
**Article no. 277830**

**Catalog No. XTCE050D00F**

## Delivery programme

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: Squirrel-cage motors: starting, switching off during running AC-4: Squirrel-cage motors: starting, plugging, reversing, inching
Connection technique			Screw terminals
Pole			3 pole
Rated operational current			
AC-3			
380 V 400 V	$I_e$	A	50
AC-1			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	A	80
enclosed	$I_{th}$	A	58
Conventional free air thermal current, 1 pole			
open	$I_{th}$	A	162
enclosed	$I_{th}$	A	145
Max. rating for three-phase motors, 50 - 60 Hz			
AC-3			
220 V 230 V	P	kW	15.5
380 V 400 V	P	kW	22
660 V 690 V	P	kW	30
AC-4			
220 V 230 V	P	kW	6
380 V 400 V	P	kW	10
660 V 690 V	P	kW	14
Contact sequence			
<b>Instructions</b>			Contacts to EN 50012.
Can be combined with auxiliary contact			DILM150-XH(V).. DILM1000-XH(V)..
Voltage AC/DC			AC operation

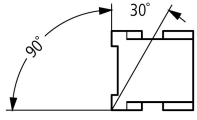
## Approvals

Product Standards  
 UL File No.  
 UL Category Control No.  
 CSA File No.  
 CSA Class No.  
 North America Certification  
 Specially designed for North America

IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking  
 E29096  
 NLDX  
 012528  
 2411-03, 3211-04  
 UL listed, CSA certified  
 No

## General

Standards			IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical			

AC operated	Operations	x 10 <sup>6</sup>	10
DC operated	Operations	x 10 <sup>6</sup>	10
Operating frequency, mechanical			
AC operated	Operations/h		5000
DC operated	Operations/h		5000
Climatic proofing			
Ambient temperature		°C	
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)			
Half-sinusoidal shock, 10 ms			
Main contacts			
N/O contact		g	10
Auxiliary contacts			
N/O contact		g	7
N/C contact		g	5
Protection type			
Protection against direct contact when actuated from front (EN 50274)			IP00
Protection against direct contact when actuated from front (EN 50274)			Finger- and back-of-hand proof
Weight			
AC operated		kg	0.9
DC operated		kg	1.1
Terminal capacity main cable			
Solid		mm <sup>2</sup>	1 x (0.75 - 16) 2 x (0.75 - 16)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.75 - 35) 2 x (0.75 - 25)
Stranded		mm <sup>2</sup>	1 x (16 - 50) 2 x (16 - 35)
Solid or stranded		AWG	12 - 2
Flat conductor	Lamellenzahl x Breite x Dicke	mm	2 x (6 x 9 x 0.8)
Terminal screw			
Terminal screw			M6
Tightening torque			
Tightening torque			Nm 3.3
Terminal capacity control circuit cables			
Solid		mm <sup>2</sup>	1 x (0.75 - 4) 2 x (0.75 - 4)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Solid or stranded		AWG	18 - 14
Terminal screw			
Terminal screw			M3.5
Tightening torque			
Tightening torque			Nm 1.2
Tool			