



**Contactor, 3p+1N/O, 5.5kW/400V/AC3**

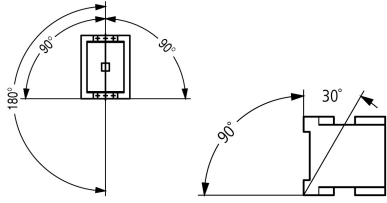
**Part no. DILM12-10(230V50HZ,240V60HZ)**  
**Article no. 276830**  
**Catalog No. XTCE012B10F**

## 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 NAC-3: Normal AC induction motors: starting, switch off during running AC-4: Normal AC induction motors: starting, plugging, reversing, inching
Notes			Also suitable for motors with efficiency class IE3. IE3-ready devices are identified by the logo on their packaging.
Connection technique			Screw terminals
Number of poles			3 pole
<b>Rated operational current</b>			
AC-3			
380 V 400 V	$I_e$	A	12
AC-1			
Conventional free air thermal current, 3 pole, 50 - 60 Hz			
Open			
at 40 °C	$I_{th} = I_e$	A	22
enclosed	$I_{th}$	A	18
Conventional free air thermal current, 1 pole			
open	$I_{th}$	A	50
enclosed	$I_{th}$	A	45
<b>Max. rating for three-phase motors, 50 - 60 Hz</b>			
AC-3			
220 V 230 V	P	kW	3.5
380 V 400 V	P	kW	5.5
660 V 690 V	P	kW	6.5
AC-4			
220 V 230 V	P	kW	2
380 V 400 V	P	kW	3
660 V 690 V	P	kW	4.4
<b>Contacts</b>			
N/O = Normally open			1 N/O
Contact sequence			
<b>Instructions</b>			Contacts to EN 50012.
Can be combined with auxiliary contact			DILM32-XHI.. DILA-XHI(V)..
Voltage AC/DC			AC operation

## Technical data

<b>General</b>			
Standards			IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical			
AC operated	Operations	$\times 10^6$	10

DC operated	Operations	x 10 <sup>6</sup>	10
<b>Operating frequency, mechanical</b>			
AC operated	Operations/h		5000
DC operated	Operations/h		5000
<b>Climatic proofing</b>			
			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
<b>Ambient temperature</b>			
Open		°C	-25 - +60
Enclosed		°C	- 25 - 40
Storage		°C	- 40 - 80
<b>Mounting position</b>			
			
<b>Mechanical shock resistance (IEC/EN 60068-2-27)</b>			
Half-sinusoidal shock, 10 ms			
<b>Main contacts</b>			
N/O contact		g	10
<b>Auxiliary contacts</b>			
N/O contact		g	7
N/C contact		g	5
<b>Mechanical shock resistance (IEC/EN 60068-2-27) when tabletop-mounted</b>			
Half-sinusoidal shock, 10 ms			
<b>Main contacts</b>			
N/O contact		g	5.7
<b>Auxiliary contacts</b>			
N/O contact		g	3.4
N/C contact		g	3.4
<b>Degree of Protection</b>			IP20
<b>Protection against direct contact when actuated from front (EN 50274)</b>			Finger and back-of-hand proof
<b>Weight</b>			
AC operated		kg	0.23
DC operated		kg	0.28
<b>Terminal capacity main cable</b>			
Solid		mm <sup>2</sup>	1 x (0.75 - 4) 2 x (0.75 - 2.5)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.75 - 2.5) 2 x (0.75 - 2,5)
			Also without ferrule.
Solid or stranded		AWG	18 - 10
<b>Main cable connection screw/bolt</b>			M3.5
<b>Tightening torque</b>			Nm 1.2
<b>Terminal capacity control circuit cables</b>			
Solid		mm <sup>2</sup>	1 x (0.75 - 4) 2 x (0.75 - 2.5)
Flexible with ferrule		mm <sup>2</sup>	1 x (0.75 - 1.5) 2 x (0.75 - 1.5)
Solid or stranded		AWG	18 - 14
<b>Control circuit cable connection screw/bolt</b>			M3.5
<b>Tightening torque</b>			Nm 1.2
<b>Tool</b>			
<b>Main cable</b>			
Pozidriv screwdriver		Size	2
Standard screwdriver		mm	0.8 x 5.5 1 x 6
<b>Control circuit cables</b>			