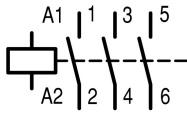




**Contactor, 3 pole, 380 V 400 V: 18.5 kW, 24 V DC, DC operation, Screw terminals**

**Part no. DILMT40(RDC24)**  
**Catalog No. 190983**

### Delivery program

Product range				Contactors
Application				Contactors for Motors
Subrange				Contactors up to 95 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				Not suitable for motors with efficiency class IE3.
Connection technique				Screw terminals
Number of poles				3 pole
<b>Rated operational current</b>				
AC-3				
380 V 400 V	$I_e$	A		40
AC-1				
Conventional free air thermal current, 3 pole, 50 - 60 Hz				
Open				
at 40 °C	$I_{th} = I_e$	A		60
<b>Max. rating for three-phase motors, 50 - 60 Hz</b>				
AC-3				
220 V 230 V	P	kW		12.5
380 V 400 V	P	kW		18.5
660 V 690 V	P	kW		22
Contact sequence				
Can be combined with auxiliary contact				DILT-XHI01(10) DILMT95-XHI11-SR
Actuating voltage				24 V DC
Voltage AC/DC				DC operation
Connection to SmartWire-DT				no
Frame size				3

### Technical data

<b>General</b>				
Standards				IEC/EN 60947, GB14048
Lifespan, mechanical				
DC operated	Operations	$\times 10^6$		5
Operating frequency, mechanical				
DC operated	Operations/h			3600
Climatic proofing				Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature				
Open		°C		-25 - +55
Storage		°C		- 40 - 80

Mounting position			
Degree of Protection			IP20
Weight			
DC operated		kg	0.78
Screw connector terminals			
Terminal capacity main cable			
Solid		mm <sup>2</sup>	1 x (2.5 - 25) 2 x (2.5 - 16)
Stranded		mm <sup>2</sup>	1 x (2.5 - 25) 2 x (2.5 - 16)
Stripping length		mm	14
Terminal screw			M6
Tightening torque		Nm	3 6 (solid)
Tool			
Pozidriv screwdriver		Size	2
Terminal capacity control circuit cables			
Solid		mm <sup>2</sup>	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Stripping length		mm	14
Terminal screw			M3.5
Tightening torque		Nm	1.2
Tool			
Pozidriv screwdriver		Size	2

### Main conducting paths

Rated impulse withstand voltage	$U_{imp}$	V AC	6000
Overvoltage category/pollution degree			III/3
Rated insulation voltage	$U_i$	V AC	690
Rated operational voltage	$U_e$	V AC	690
Breaking capacity			
380 V 400 V		A	320

### 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	60
AC-3			
Rated operational current			
Open, 3-pole: 50 – 60 Hz			
220 V 230 V	$I_e$	A	40
240 V	$I_e$	A	40
380 V 400 V	$I_e$	A	40
380 V 400 V	$I_e$	A	40
Motor rating	P	kWh	
220 V 230 V	P	kW	12.5
380 V 400 V	P	kW	18.5
660 V 690 V	P	kW	22

### Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55

## Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Power contactor, AC switching (EC000066)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Power contactor, AC switching (ecl@ss10.0.1-27-37-10-03 [AAB718015])

Rated control supply voltage $U_s$ at AC 50HZ	V	0 - 0
Rated control supply voltage $U_s$ at AC 60HZ	V	0 - 0
Rated control supply voltage $U_s$ at DC	V	24 - 24
Voltage type for actuating		DC
Rated operation current $I_e$ at AC-1, 400 V	A	60
Rated operation current $I_e$ at AC-3, 400 V	A	40
Rated operation power at AC-3, 400 V	kW	18.5
Rated operation current $I_e$ at AC-4, 400 V	A	0
Rated operation power at AC-4, 400 V	kW	0
Rated operation power NEMA	kW	0
Modular version		No
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as normally closed contact		0
Type of electrical connection of main circuit		Screw connection
Number of normally closed contacts as main contact		0
Number of main contacts as normally open contact		3

## Approvals

Specially designed for North America		No
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## Dimensions

