DATASHEET - DILAT-03(RDC24)

Contactor relay, 24 V DC, N/C = Normally closed: 3 NC, Screw terminals, DC operation

Part no. DILAT-03(RDC24)
Catalog No. 190970

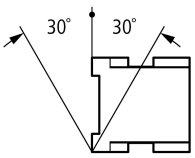
Powering Business Worldwide™

Delivery program

Product range			Contactor relays DILAT
Application			Contactor relays
Connection technique			Screw terminals
Rated operational current			
AC-15			
220 V 230 V 240 V	I_e	A	4
380 V 400 V 415 V	I_e	A	1.9
Contacts			
N/C = Normally closed			3 NC
Actuating voltage			24 V DC
Voltage AC/DC			DC operation
Connection to SmartWire-DT			no

Technical data

General

Standards			IEC/EN 60947, VDE 0660
Maximum operating frequency	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
Ambient temperature, storage		°C	- 40 - 80
Mounting position			
Mounting position			
Degree of Protection			IP20
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Weight			
DC operated		kg	0.17
Terminal capacities		mm^2	
Screw terminals			
Solid		mm^2	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Flexible with ferrule		mm^2	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Pozidriv screwdriver		Size	2
Max. tightening torque		Nm	0.8

Contacts

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
Rated operational current		A	

Conventional free air thermal current, 1 pole			
Open			
at 55 °C	$I_{th} = I_e$	A	10
AC-15			
220 V 230 V 240 V	I_e	A	4
380 V 400 V 415 V	I_e	A	1.9
500 V	I_e	A	1.4

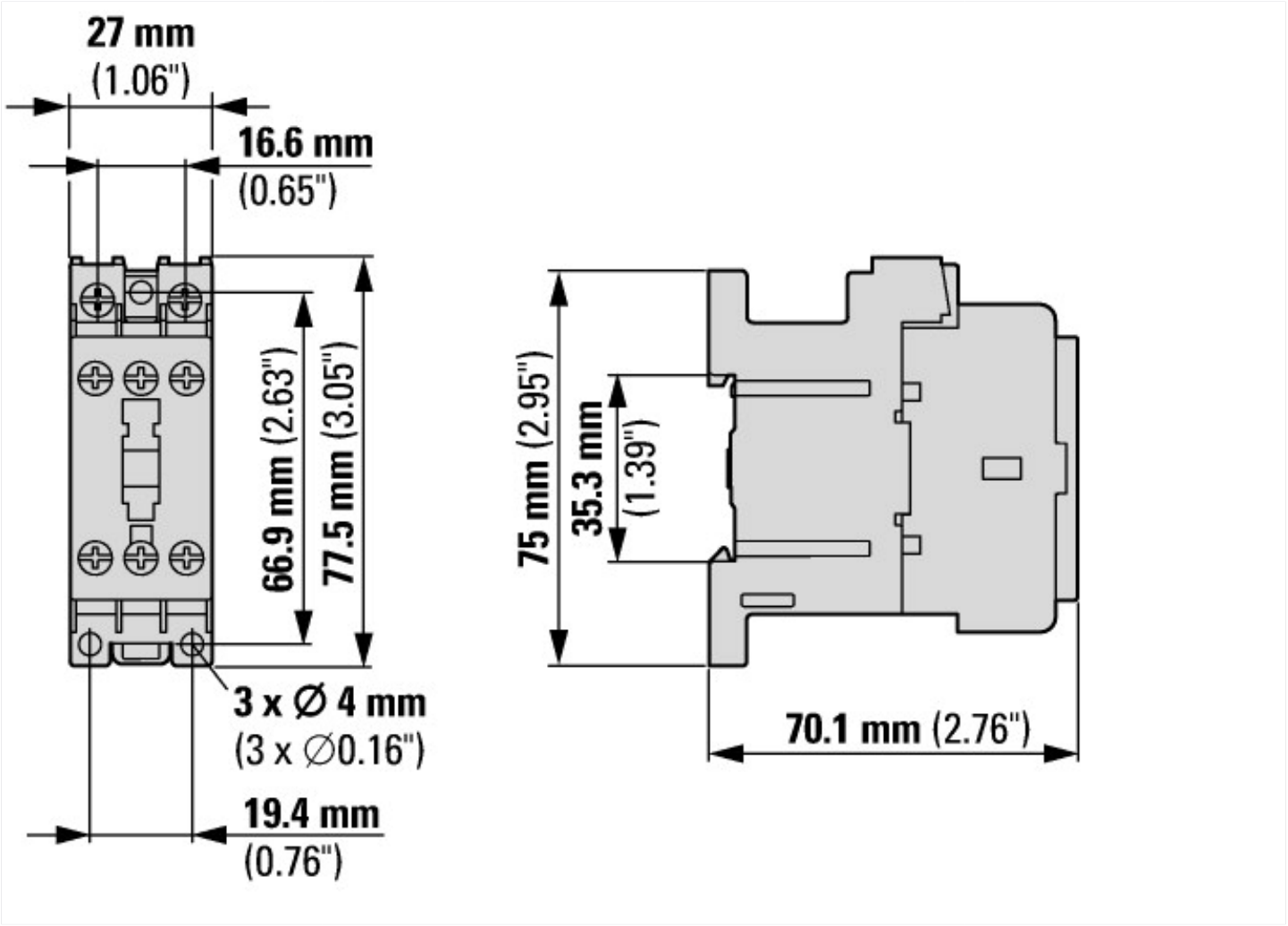
Design verification as per IEC/EN 61439

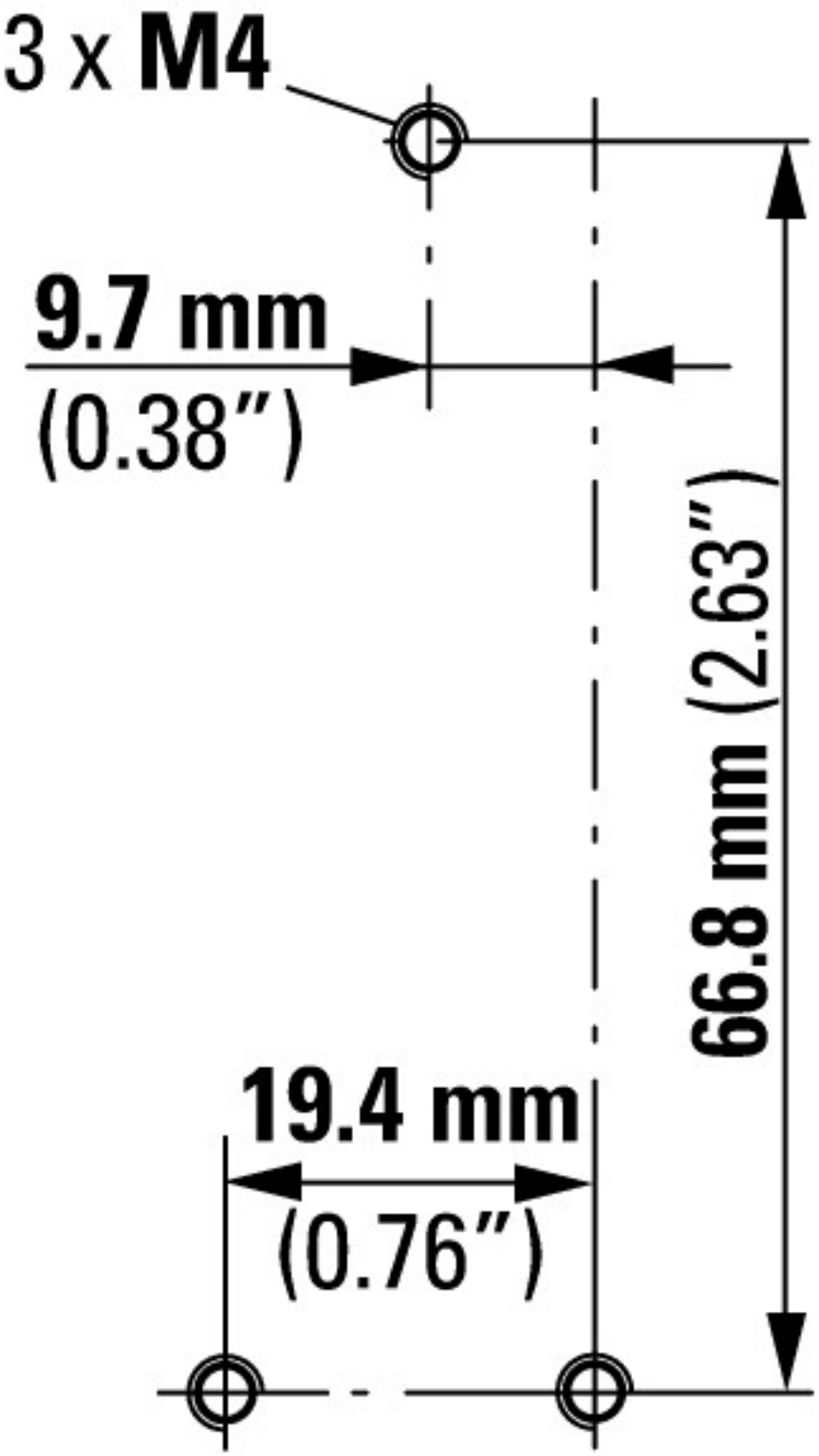
Technical data for design verification		
Operating ambient temperature min.	°C	-25
Operating ambient temperature max.	°C	55

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Contactor relay (EC000196)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Contactor (LV) / Contactor relay (ecl@ss10.0.1-27-37-10-01 [AAB716014])		
Rated control supply voltage Us at AC 50HZ	V	0 - 0
Rated control supply voltage Us at AC 60HZ	V	0 - 0
Rated control supply voltage Us at DC	V	24 - 24
Voltage type for actuating		DC
Rated operation current Ie, 400 V	A	1.9
Connection type auxiliary circuit		Screw connection
Mounting method		DIN-rail/screw
Interface		No
Number of auxiliary contacts as normally closed contact		3
Number of auxiliary contacts as normally open contact		0
Number of auxiliary contacts as normally closed contact, delayed switching		0
Number of auxiliary contacts as normally open contact, leading		0
With LED indication		No
Number of auxiliary contacts as change-over contact		0
Manual operation possible		No

Dimensions


27 mm
(1.06")
16.6 mm
(0.65")
66.9 mm (2.63")
77.5 mm (3.05")
3 x Ø 4 mm
(3 x ∅0.16")
19.4 mm
(0.76")
75 mm (2.95")
35.3 mm
(1.39")
70.1 mm (2.76")



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