

Specifications



Eaton 197627

Eaton Moeller® series DILAT Contactor relay, 24 V 50/60 Hz, 3 NC, Screw terminals, AC operation

General specifications

PRODUCT NAME	Eaton Moeller® series DILAT Control relay
CATALOG NUMBER	197627
MODEL CODE	DILAT-03(24V50/60HZ)
EAN	4015081945061
PRODUCT LENGTH/DEPTH	77.5 mm
PRODUCT HEIGHT	70.1 mm
PRODUCT WIDTH	27 mm
PRODUCT WEIGHT	0.175 kg
CERTIFICATIONS	IEC/EN 60947 VDE 0660



Powering Business Worldwide

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	55 °C
-------------------------------------	-------

AMBIENT STORAGE TEMPERATURE - MAX	80 °C
-----------------------------------	-------

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
-------------------------------------	--------

AMBIENT STORAGE TEMPERATURE - MIN	40 °C
-----------------------------------	-------

CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
-------------------	--

Electrical rating

RATED INSULATION VOLTAGE (UI)	690 V
-------------------------------	-------

RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	4 A
--	-----

RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	1.9 A
--	-------

RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V	1.4 A
--	-------

RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
--	-------

Contacts

NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
---	---

NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	3
---	---

NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
---	---

NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	3
---	---

General information

APPLICATION	Contactors relays
-------------	-------------------

CONNECTION	Screw terminals
------------	-----------------

CONNECTION TO SMARTWIRE-DT	No
----------------------------	----

DEGREE OF PROTECTION	IP20
----------------------	------

LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated)
----------------------	-------------------------------------

MOUNTING METHOD	DIN-rail/screw
-----------------	----------------

OPERATING FREQUENCY	3600 Operations/h
---------------------	-------------------

OVERVOLTAGE CATEGORY	III
----------------------	-----

POLLUTION DEGREE	3
------------------	---

PRODUCT CATEGORY	DILAT Contactors relays
------------------	-------------------------

PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
------------	--

RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
--	-----------

VOLTAGE TYPE	AC
--------------	----

Magnet system

PICK-UP VOLTAGE	0.85 - 1.1 V AC x Uc 0.85 - 1.1 V AC x Uc (voltage tolerance - dual frequency coil 50/60 Hz)
POWER CONSUMPTION, PICK-UP, 60 HZ	30 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz
POWER CONSUMPTION, SEALING, 50 HZ	2 W, Dual-frequency coil in a cold state and 1.0 x Us 6 VA, Dual-frequency coil in a cold state and 1.0 x Us
POWER CONSUMPTION, SEALING, 60 HZ	6 VA, Dual-frequency coil in a cold state and 1.0 x Us 2 W, Dual-frequency coil in a cold state and 1.0 x Us
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	24 V
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX	25 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN	20 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX	13 ms
SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN	9 ms

Terminal capacities

SCREWDRIVER SIZE	2, Terminal screw, Pozidriv screwdriver
STRIPPING LENGTH (MAIN CABLE)	14 mm
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm ² 2 x (0.75 - 2.5) mm ²
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 2.5) mm ² 2 x (0.75 - 2.5) mm ²
TIGHTENING TORQUE	0.8 Nm, Screw terminals

Resources

BROCHURES

[eaton-dilat-dilmt-
contactors-zbt-motor-
protection-relay-brochure-
br034003en-en-us.pdf](#)

[eaton-powerxl-variable-
frequency-drives-hvac-
brochure-br040012en-en-
us.pdf](#)

DRAWINGS

[eaton-contactors-
contactor-dimensions-
007.eps](#)

[eaton-contactors-
contactor-dimensions-
002.eps](#)

[eaton-contactors-
contactor-3d-drawing.eps](#)

ECAD MODEL

[DA-CE-ETN.DILAT-
03\(24V50_60HZ\)](#)

INSTALLATION INSTRUCTIONS

[IL034049ZU](#)

SYSTEM OVERVIEW

[eaton-contactors-
mounting-dilmf-explosion-
drawing.eps](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

