Specifications



Eaton 262730

Eaton Moeller® series ETR2 Timing relay, 0.05s-100h, 24-240VAC 50/60Hz, 24-48VDC, 1W, flashing, 2 times

General specifications	
PRODUCT NAME	Eaton Moeller® series ETR2 Timing relay
CATALOG NUMBER	262730
MODEL CODE	ETR2-44
EAN	4015082627300
PRODUCT LENGTH/DEPTH	63 mm
PRODUCT HEIGHT	70 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.053 kg
CERTIFICATIONS	CSA File No.: UL report valid UL CSA-22.2 No. 14 IEC/EN 61812-1 UL 508 CE UL Category Control No.: NKCR, NKCR7 IEC/EN 60947-5-1 UL File No.: E29184 Certified by UL for use in Canada CSA Class No.: 3211-03
CATALOG NOTES	Package quantity 1

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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C

Design verification

10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION	Does not apply, since the

AGAINST ELECTRIC SHOCK	entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
HEAT DISSIPATION CAPACITY PDISS	0 W

Electrical rating

MAINS VOLTAGE TOLERANCE	24 - 48 V DC 24 - 240 V AC (at 50/60 Hz)
NOMINAL CURRENT	3 A
RATED OPERATIONAL CURRENT (IE)	4 A at AC-15, 220 V 230 V 240 V 3 A at 230 V (NC) 3 A at 230 V (NO)

Features & functions

ELECTRIC CONNECTION TYPE	Screw connection
FUNCTIONS	Clock function, starting with pulse, variable Remote operation possible Flashing, pulse initiating Fixed timing function Flashing, starting with pulse, fixed time Clock function, starting with pause, variable Flashing, starting with pause, fixed time Flashing, pause initiating Pulse and pause times independently adjustable

General information

DEGREE OF PROTECTION	IP20
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	1
PRODUCT CATEGORY	ETR2 timing relays
SUITABLE FOR	DIN rail (top hat rail) mounting
TIME RANGE - MAX	360000 s
TIME RANGE - MIN	0.05 s
TYPE	Timer relay
USED WITH	XC100, XC121, XC200
VOLTAGE TYPE	AC/DC

Magnet system

RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	24 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	240 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	24 V

Resources

BROCHURES	EMR6 - EMT6 - ETR4 brochure
CATALOGUES	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-timing-relay-declaration-of-conformity-uk251091en.pdf eaton-timing-relay-declaration-of-conformity-eu251563en.pdf
DRAWINGS	eaton-timers-timing-relay-etr2-dimensions.eps eaton-timers-timing-relay-etr2-3d-drawing-002.eps
ECAD MODEL	ETN.262730.edz
MCAD MODEL	etr2_11_d.stp
PEP ECO-PASSPORT	eaton-solid-state-timing-relay-etr2-il04910005z.pdf
WIRING DIAGRAMS	eaton-timers-relay-etr2-timing-relay-wiring-diagram.eps eaton-timers-relay-etr2-timing-relay-wiring-diagram-002.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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