

ETR4/ETR2 TIMING RELAYS

262689



Overview

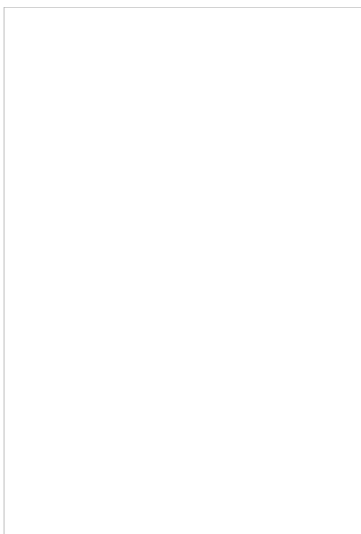


Specifications



Resources

How to buy



262689

Eaton Moeller® series ETR2 Timing relay, 1W, 0.05  
240VAC 50/60Hz, 24-48VDC

How to buy



GENERAL SPECIFICATIONS

General specifications



**PRODUCT NAME** Eaton Moeller® series ETR2 Timing relay

**CATALOG NUMBER** 262689

Product specifications



**MODEL CODE** ETR2-69

**EAN** 4015082626891

**PRODUCT LENGTH/DEPTH** 63 mm

**PRODUCT HEIGHT** 70 mm

**PRODUCT WIDTH** 17.5 mm

**PRODUCT WEIGHT** 0.054 kg

UL  
UL 508  
UL File No.: E29184  
CSA-22.2 No. 14  
IEC/EN 60947-5-1

## CERTIFICATIONS

Certified by UL for use in Canada  
CSA Class No.: 3211-03  
IEC/EN 61812-1  
CSA File No.: UL report valid  
CE  
UL Category Control No.: NKCR, NKCR7

## PRODUCT SPECIFICATIONS

<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications must be observed.
<b>NUMBER OF OUTPUTS (UNDELAYED, CHANGE-OVER CONTACT)</b>	0
<b>OPERATING VOLTAGE AT AC, 50 HZ - MAX</b>	240 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>	24 V
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications must be observed.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be lifted.
<b>OPERATING VOLTAGE AT DC - MAX</b>	48 V
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>	24 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	240 V
<b>NUMBER OF OUTPUTS (DELAYED, CHANGE-OVER CONTACT)</b>	1
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>TIME RANGE - MAX</b>	360000 s
<b>OPERATING VOLTAGE AT DC - MIN</b>	24 V
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	60 °C
<b>NUMBER OF OUTPUTS (DELAYED, NORMALLY CLOSED CONTACT)</b>	0
<b>NUMBER OF OUTPUTS (DELAYED, NORMALLY OPEN CONTACT)</b>	0
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>	240 V
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C

<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to
<b>OPERATING VOLTAGE AT AC, 50 HZ - MIN</b>	24 V
<b>ELECTRIC CONNECTION TYPE</b>	Screw connection
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the instruction leaflet (IL) is observed.
<b>NUMBER OF OUTPUTS (UNDELAYED, NORMALLY CLOSED CONTACT)</b>	0
<b>NUMBER OF OUTPUTS (UNDELAYED, NORMALLY OPEN CONTACT)</b>	0
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to
<b>VOLTAGE TYPE</b>	AC/DC
<b>NOMINAL CURRENT</b>	3 A
<b>PRODUCT CATEGORY</b>	ETR2 timing relays
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>RATED OPERATIONAL CURRENT (IE)</b>	3 A at 230 V (NO) 4 A at AC-15, 220 V 230 V 240 V 3 A at 230 V (NC)
<b>SUITABLE FOR</b>	DIN rail (top hat rail) mounting
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>OPERATING VOLTAGE AT AC, 60 HZ - MAX</b>	240 V
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>DEGREE OF PROTECTION</b>	IP20
<b>VOLTAGE TYPE OF OPERATING VOLTAGE</b>	AC/DC
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>	24 V
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi

<b>FUNCTIONS</b>	<ul style="list-style-type: none"> <li>Fleeting contact on de-energization</li> <li>Flashing, pause initiating</li> <li>Pulse shaping</li> <li>Flashing, starting with pause, fixed time</li> <li>Flashing, starting with pulse, fixed time</li> <li>Flashing, pulse initiating</li> <li>Delay on de-energization</li> <li>Multi-functional</li> <li>Adjustable timing function</li> <li>Delay-on energization</li> <li>Fleeting contact on energization</li> <li>Outputs, reversible delayed/undelayed</li> <li>Pulse forming</li> <li>On-delayed</li> </ul>
<b>OPERATING VOLTAGE AT AC, 60 HZ - MIN</b>	24 V
<b>MAINS VOLTAGE TOLERANCE</b>	24 - 240 V AC (at 50/60 Hz) 24 - 48 V DC
<b>TYPE</b>	Timer relay
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>TIME RANGE - MIN</b>	0.05 s
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>	240 V
<b>NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)</b>	1

Brochures

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Certification reports

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Characteristic curve

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Drawings

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eCAD model

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Installation instructions

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mCAD model

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# Wiring diagrams

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Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.