DATASHEET - ETR2-69



Timing relay, 1W, 0.05s-100h, multi-function, 24-240VAC 50/60Hz, 24-48VDC

Part no. ETR2-69

262689

EL Number

4134200

(Norway)

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U. 508 CSA File No. U. U. report valid CSA Class No. 221-143 ISCR (1987) 21 CSC 222-10. 14 CSC 2	Product weight	0.054 kilogram	n
Product Type Product Sub Type Product Sub Type Restures & Functions Electric connection type Functions Electric connection type Functions Electric connection type Functions On delayard Pulse forming Outputs, reversible delayed/undelayed Fleeding contact on energization Delay-on energization Delay-on energization Adjustable timing function Multi-Interioreal Dulay on one energization Pulse standing Pulse standing Pulse standing Pulse standing Fleeding contact on energization Off-delayed General information Degree of protection Degree of protection Product category ETR2 timing relays Suitable for Time range - min Time range - max 360000 s Time range - max 360000 s Type Voltage type Climatic environmental conditions Ambient operating temperature - min And at at 2.0 V.DO; A at 2.20	Certifications	UL 508 CSA File No.: CSA Class Ni IEC/EN 61812 CSA-22.2 No. CE Certified by U IL IEC/EN 60947	UL report valid o.: 3211-03 -1 14 UL for use in Canada -5-1
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4 A at AC-15, 220 V 230 V 240 V	Nominal current	3 A	
	Rated operational current (le)	4 A at AC-15,	220 V 230 V 240 V

Magnet system	
Rated control supply voltage (Us) at AC, 50 Hz - min	24 V
Rated control supply voltage (Us) at AC, 50 Hz - max	240 V
Rated control supply voltage (Us) at AC, 60 Hz - min	24 V
Rated control supply voltage (Us) at AC, 60 Hz - max	240 V
Rated control supply voltage (Us) at DC - min	24 V
Rated control supply voltage (Us) at DC - max	240 V
Design verification	
Heat dissipation capacity Pdiss	0 W
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 against electric shock	Does not apply, since the 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.
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.

Technical data ETIM 9.0

D-1 /FC000010\ / Ti /FC0001400\		
Relays (EG000019) / Timer relay (EC001439)		
Electric engineering, automation, process control engineering / Low-voltage switch	h technology / Rela	ay and socket / Timer relay (ecl@ss13-27-37-16-05 [AKF092018])
Type of electric connection		Screw connection
Complete with socket		No
Suitable for DIN rail (top hat rail) mounting		Yes
Suitable for front mounting		No
Pluggable on auxiliary contact block		No
Function delay-on energization		Yes
Function delay on de-energization		Yes
Function floating contact on energization		Yes
Function floating contact on de-energization		Yes
Function star-delta		No
Function pulse shaping		Yes
Function flashing, starting with pause, fixed time		Yes
Function flashing, starting with pulse, fixed time		Yes
Clock function, starting with pause, variable		No
Clock function, starting with pulse, variable		No
Time range	s	0.05 - 360000
Remote operation possible		No
Suitable as remote control		No

Rated control supply voltage AC 50 Hz	V	24 - 240
Rated control supply voltage AC 60 Hz	V	24 - 240
Rated control supply voltage DC	V	24 - 240
Voltage type for actuating		AC/DC
Number of outputs, undelayed, normally closed contact		0
Number of outputs, undelayed, normally open contact		0
Number of outputs, undelayed, change-over contact		0
Number of outputs, delayed, normally closed contact		0
Number of outputs, delayed, normally open contact		0
Number of outputs, delayed, change-over contact		1
Outputs, reversible delayed/undelayed		Yes
With semiconductor output		No
Material of contact insert		
Material contact		
Material of contact surface		
Operating voltage AC 50 Hz	V	24 - 240
Operating voltage AC 60 Hz	V	24 - 240
Operating voltage DC	V	24 - 48
Voltage type (operating voltage)		AC/DC
Nominal current	А	3
Max. starting current	А	
Degree of protection (IP)		IP20
Relay technology category according to IEC 61810-7		
Width	mm	17.5
Height	mm	70
Depth	mm	63