DATASHEET - ETR2-11-D



Timing relay, 2W, 0.05s-100h, on-delayed, 24-240VAC 50/60Hz, 24-48VDC

Powering Business Worldwide

Part no. ETR2-11-D Catalog No. 119426 Alternate Catalog ETR2-11-D

EL-Nummer 0004110011

(Norway)

Delivery program

zonro., program			
Product range			ETR2 timing relays
Basic function			Timer relays
Function			On-delayed
			Fixed timing function
Number of changeover contacts			2
Time range			0.05 s - 100 h
Time range			0.05 - 1 s 1.5 - 30 s 5 - 100 s 1.5 - 30 min 5 - 100 min 0.5 - 10 h 5 - 100 h
Rated operational current			
AC-15			
220 V 230 V 240 V	I _e	Α	5
230 V (N/O)	I _e	Α	3
230 V (NC)	I _e	Α	0.75
Voltage range	U _{LN}	V	24 - 240 V AC, 50/60 Hz 24 - 48 V DC
Width		mm	17.5
A1 15 25 15 16 18 26 28			

Technical data

Technical data in sheet catalogue

Other technical data (sheet catalogue)	Timing relays	
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Design verification as per IEC/EN 61439

Technical data for design verification			
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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.

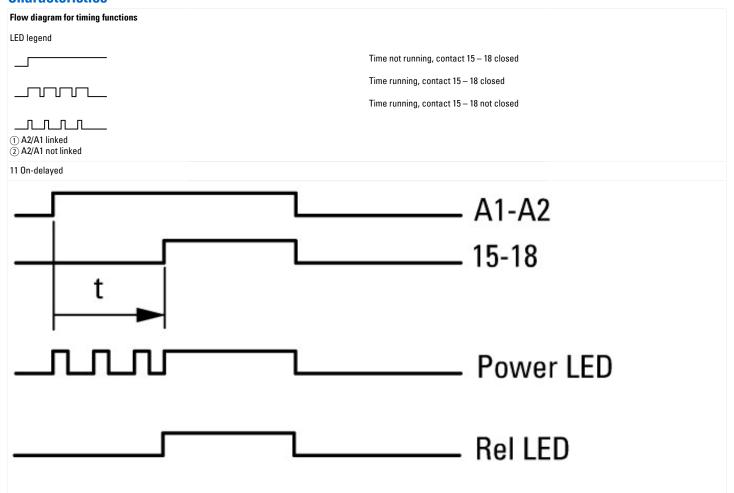
10.3 Degree of protection of ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation 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 Insulation properties	
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 7.0

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No.	Function floating contact on energization		No
sunction plase shaping unction flashing, starting with pulse, fixed time unction flashing, starting with pulse, fixed time unction flashing, starting with pulse, fixed time unction flashing, starting with pulse, variable unction, starting with pulse, variable unction pulse, variabl	Function floating contact on de-energization		No
tunction flashing, starting with pulse, fixed time Lock function, starting with pulse, variable Lock function, s	Function star-delta		No
Function flashing, starting with pulse, fixed time Flock function, starting with pulse, variable Flock function, star	Function pulse shaping		No
No Clock function, starting with pause, variable No N	Function flashing, starting with pause, fixed time		No
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Note that the plug-in sacket Semate operation possible Suitable for remote control Plugable on auxiliary contact block Sated control supply voltage Us at AC 50HZ Sated control supply voltage Us a	Clock function, starting with pause, variable		No
temote operation possible foliable for remote control foliable for forth mounting foliable for forth mount for forth mounting foliable for forth mounting foliable for for	Clock function, starting with pulse, variable		No
Suitable for remote control Plugable on auxiliary contact block Rated control supply voltage Us at AC 50HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at DC Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at A	With plug-in socket		No
No No No No No No No No	Remote operation possible		No
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Asted control supply voltage Us at AC 60HZ V 24 - 240 Ac/DC Ac	Pluggable on auxiliary contact block		No
Asted control supply voltage Us at DC Voltage type for actuating AC/DC Acminal current A 3 Sime range s 0.05 - 0.05 Aumber of outputs, undelayed, normally closed contact Aumber of outputs, undelayed, normally open contact Aumber of outputs, undelayed, change-over contact Aumber of outputs, undelayed, normally closed contact Aumber of outputs, undelayed, normally open contact Aumber of outputs, undelayed, normally closed contact Aumber of outputs, delayed, normally closed contact Aumber of outputs, delayed, normally open contact Aumber of outputs, delayed, change-over contact Aumber of outputs, delayed, normally open contact Aumber of outputs, undelayed, normally open contact Aumber of	Rated control supply voltage Us at AC 50HZ	V	24 - 240
AC/DC Alominal current A 3 Ac/DC Ac/Ac/DC Ac/Ac/DC Ac/Ac/DC Ac/Ac/Ac/Ac/Ac/Ac/Ac/Ac/Ac/Ac/Ac/Ac/Ac/A	Rated control supply voltage Us at AC 60HZ	V	24 - 240
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Number of outputs, undelayed, normally closed contact Number of outputs, undelayed, normally open contact Number of outputs, undelayed, change-over contact Number of outputs, delayed, normally closed contact Number of outputs, delayed, normally open contact Number of outputs, delayed, normally open contact Number of outputs, delayed, normally open contact Number of outputs, delayed, change-over contact Number of outputs, delayed, normally open contact No	Nominal current	Α	3
Number of outputs, undelayed, normally open contact Number of outputs, undelayed, change-over contact Number of outputs, delayed, normally closed contact Number of outputs, delayed, normally open contact Number of outputs, delayed, normally open contact Number of outputs, delayed, change-over contact No No No No Suitable for DIN rail (top hat rail) mounting No No No No No No No No No N	Time range	s	0.05 - 0.05
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Number of outputs, delayed, normally closed contact Number of outputs, delayed, normally open contact Number of outputs, delayed, change-over contact Outputs, reversible delayed/undelayed No With semiconductor output Suitable for DIN rail (top hat rail) mounting Vidth mm 78	Number of outputs, undelayed, normally open contact		0
Number of outputs, delayed, normally open contact Number of outputs, delayed, change-over contact Outputs, reversible delayed/undelayed No With semiconductor output Suitable for DIN rail (top hat rail) mounting Vidth mm 78	Number of outputs, undelayed, change-over contact		0
Aumber of outputs, delayed, change-over contact Outputs, reversible delayed/undelayed No With semiconductor output Suitable for DIN rail (top hat rail) mounting Vidth mm 78	Number of outputs, delayed, normally closed contact		0
Outputs, reversible delayed/undelayed Vith semiconductor output Suitable for DIN rail (top hat rail) mounting Vith semiconductor output Yes Vidth mm 22.5 Height mm 78	Number of outputs, delayed, normally open contact		0
Vith semiconductor output Suitable for DIN rail (top hat rail) mounting Suitable for front mounting No Vidth mm 22.5 deight mm 78	Number of outputs, delayed, change-over contact		2
Suitable for DIN rail (top hat rail) mounting Suitable for front mounting No Width mm 22.5 deight mm 78	Outputs, reversible delayed/undelayed		No
Suitable for front mounting No Width mm 22.5 deight nm 78	With semiconductor output		No
Vidthmm22.5leightmm78	Suitable for DIN rail (top hat rail) mounting		Yes
deight mm 78	Suitable for front mounting		No
	Width	mm	22.5
Depth mm 98	Height	mm	78
	Depth	mm	98

Approvals	
Product Standards	IEC/EN 61812-1; IEC/EN 60947-5-1; UL 508; CSA-22.2 No. 14; CE marking
UL File No.	E29184
UL Category Control No.	NKCR, NKCR7
CSA File No.	UL report valid
CSA Class No.	3211-03
North America Certification	UL listed, certified by UL for use in Canada
Degree of Protection	IEC: IP20, UL/CSA Type: -

Characteristics



Dimensions

