



ETR4..., ETR2...

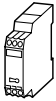
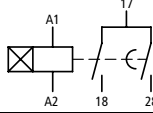

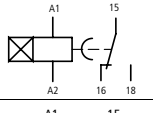
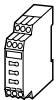
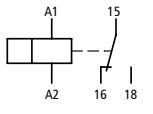
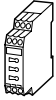
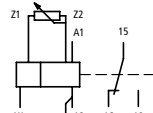
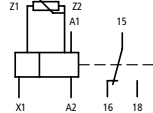

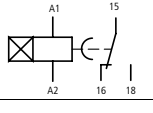
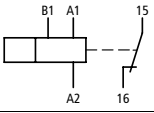
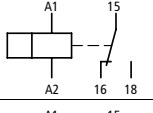
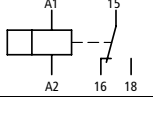
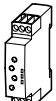
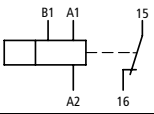
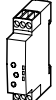
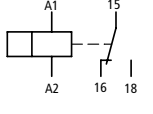
Moeller HPL0211-2007/2008

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ETR4..., ETR2...



Electronic relays

			Rated operational current AC-15		Conventional thermal current	Time range	24 – 240 V AC, 50/60 Hz, 24 – 240 V DC	400 V AC, 50/60 Hz	Std. pack	Function	Terminal marking according to EN 50042	Function	Terminal marking according to EN 50042	Notes
			230 V <i>I<sub>e</sub></i> A	400 V <i>I<sub>e</sub></i> A	<i>I<sub>th</sub></i> A		Part no. Article no.	Price see price list	Part no. Article no.	Price see price list				
ETR4 electronic timing relays, 22.5 mm wide														
	Star-delta timing relays	3	3	6		3 – 60 s	ETR4-51-A 031884		ETR4-51-W 031885		1 off	Fixed 51, star-delta		
	On-delayed	3	3	6		0.05 – 1 s 0.15 – 3 s 0.5 – 10 s 1.5 – 30 s 5 – 100 s	ETR4-11-A 031882		ETR4-11-W 031883			Fixed 11, On-delayed		
	Multi-function relay	3	3	6		15 – 300 s 1.5 – 30 min 15 – 300 min 1.5 – 30 h 5 – 100 h	ETR4-69-A 031891		ETR4-69-W 031887			Adjustable 11, on-delayed 21, Fleeting contact on energization 42, Flashing, pulse generating 81, Pulse generating ON-OFF		Adjustable 12, Off-delayed 16, On- and Off-delayed 22, Fleeting contact on de-energization 82, Pulse shaping ON-OFF
	Multi-function relay with two changeover contacts and connection for potentiometer. Can be converted to two timed contacts or one non-delayed contact and one timed contact.	3	3	6			ETR4-70-A 031888					A2/X1 linked 11, on-delayed 21, Fleeting contact on energization 42, Flashing, pulse generating 81, Pulse generating ON-OFF		A2/X1 linked 12, Off-delayed 16, On- and Off-delayed 22, Fleeting contact on de-energization 82, Pulse shaping ON-OFF
												A2/X1 not linked 11, on-delayed 21, Fleeting contact on energization 42, Flashing, pulse generating 81, Pulse generating ON-OFF		A2/X1 not linked 12, Off-delayed 16, On- and Off-delayed 22, Fleeting contact on de-energization 82, Pulse shaping ON-OFF
ETR2 electronic timing relays, 17.5 mm wide														
	On-delay	3		6		0.05 – 1 s 1.5 – 30 s 5 – 100 s	ETR2-11 262684				1 off	Fixed 11, on-delayed		
	Off-delay	3		6		1.5 – 30 min 5 – 100 min 0.5 – 10 h 5 – 100 h	ETR2-12 262686					Fixed 12, Off-delayed		
	Fleeting contact on energization	3		6			ETR2-21 262687					Fixed 21, Fleeting contact on energization		
	Flashing, pulse generating	3		6			ETR2-42 262688					fixed 42, Flashing, pulse generating		
	flashing, 2 times (ON/OFF-time variable)	3		6			ETR2-44 262730					fixed 44, Flashing, 2 speeds can be set to either pulse or pause starting		
	Multi-function relay	3		6			ETR2-69 262689					Adjustable 11, On-delayed 12, Off-delayed 21, Fleeting contact on energization 42, Flashing, pulse generating		Adjustable 22, Fleeting contact on de-energization 82, Pulse shaping 82, Pulse shaping

For Control Relay Sales and Support call [KMparts.com](http://KMparts.com) (866) 595-9616

Electronic relays



Permissible cable length	Connection to
Cable unscreened, with cable cross-section 0.5 – 1.5 mm²	B1, Z1/Z2
Two-core cable	250 m
Two-core cable in the same cable duct with mains cable, 50/60 Hz	50 m
Accessories	Page
Time functions	→ Engineering
Sealable shroud	→ 5/6
Potentiometer	→ 2/19
Screw adapter	→ 4/10

Time functions	→ Engineering
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