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ERP	-	H	-	1C	-	S	-	L	-	F	-	60VDC
Sensitivity											Coil Voltage	
Standard	NIL								Class Insulation			
Sensitive	H								NIL	B Class		
									F	F Class		
		Contact form										
		SPNO	1A									
		SPNC	1B									
		SPCO	1C									
				Sealing								
		NIL		Unsealed								
		S		Sealed								
				L	RoHS Compliant							

Contact Arrangement	1A, 1B, 1C
Initial Contact Resistance max.	50mΩ (1A 24VDC)
Contact Material	AgSnO ₂
Contact Rating (Res.Load)	20A 277VAC/24VDC 1HP 240VAC TV-8, 125VAC (NO Only)
Max. switching voltage	277VAC/30VDC
Max. switching current	20A
Max. switching power	5540VA/480W
Mechanical life	1x10 ⁷ OPS
Electrical life	1x10 ⁵ OPS

Coil power	Standard: 0.72W, Sensitive: 0.55W
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Initial Insulation Resistance		1000MΩ @ 500VDC
Dielectric Strength	Between coil & contact	4000VAC 1min.
	Between open contacts	1000VAC 1min.
Operate time (at nomi. Volt)		15ms
Release time (at nomi. Volt)		5ms
Ambient Temp		-40°C to +85°C
Humidity		98%, +40°C
Shock resistance	Functional	100m/s ²
	Destructive	1000m/s ²
Vibration resistance		1.5mm, 10 to 55Hz
Termination		PCB
Unit Weight		Approx. 18.5g
Construction		Sealed IP67 & Unsealed

UL	20A 277VAC (N.O.)
	20A 24VDC
	16A 277VAC
	12A 277VAC
	1HP 240VAC
	TV-8 125VAC, (N.O.)

Miniature High Power Relay ERP



Coil Data: Standard Type

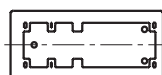
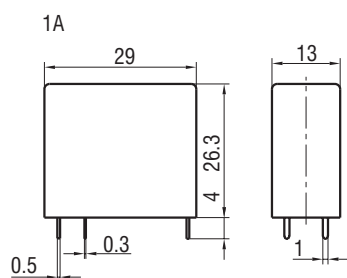
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC (at 20 °C)	Coil Resistance Ω
5	3.6	0.5	5.5	$36 \pm 10\%$
6	4.3	0.6	6.6	$50 \pm 10\%$
9	6.5	0.9	9.9	$115 \pm 10\%$
12	8.3	1.2	13.2	$200 \pm 10\%$
18	13.0	1.8	19.8	$460 \pm 10\%$
24	17.3	2.4	26.4	$820 \pm 10\%$
48	34.6	4.8	52.8	$3300 \pm 15\%$
60	43.2	6.0	66.0	$5100 \pm 15\%$

Coil Data: Sensitive Type

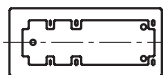
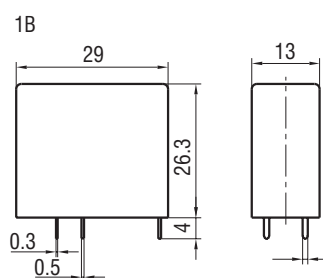
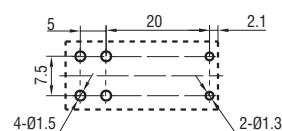
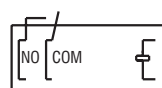
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. allowable Voltage VDC (at 20 °C)	Coil Resistance Ω
5	3.60	0.5	7.0	$47 \pm 10\%$
6	4.30	0.6	8.4	$68 \pm 10\%$
9	6.50	0.9	12.6	$160 \pm 10\%$
12	8.60	1.2	16.8	$275 \pm 10\%$
18	13.0	1.8	25.2	$650 \pm 10\%$
24	17.3	2.4	33.6	$1100 \pm 10\%$
48	34.6	4.8	67.2	$4170 \pm 15\%$
60	43.2	6.0	84.0	$7000 \pm 15\%$

Outline dimensions

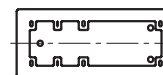
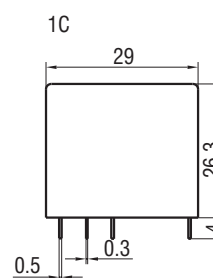
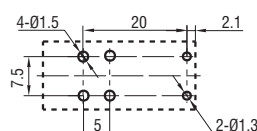
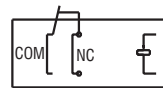
Wiring diagram and PC Board layout



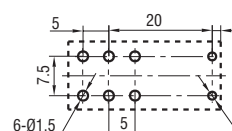
Bottom view



Bottom view



Bottom view



Characteristic Curve

