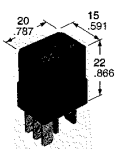
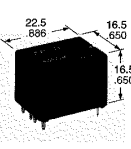
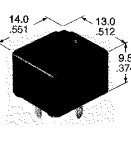
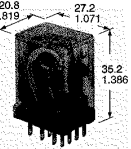
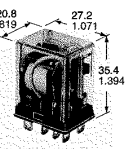
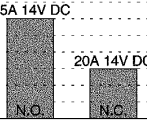
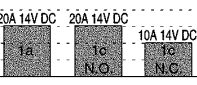
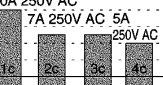
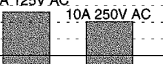
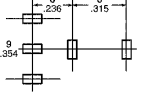
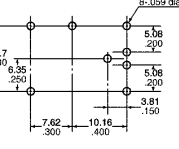
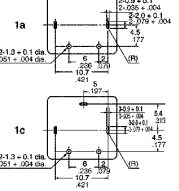
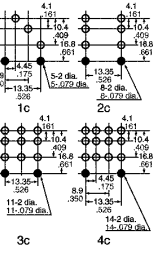
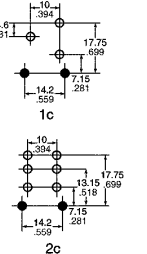


• Products	Compact, Space-Saving Automotive Relay	Dual Power Automotive	Ultra-Miniature, Low-Profile Automotive	Miniature Power	Compact Power
	CM-RELAY	CF-RELAY	CP-RELAY	HC-RELAY	HL-RELAY
• Type of relay					
mm inch					
• Features	• Half the Size, Replace Mini-ISO Relay	• 7 Amp steady/30 Amp Inrush current capability • Simple footprint enables ease of PC board layout	• Ultra-Miniature • Low-Profile • High capacity continuous current of 30A (1 hr.) • Simple footprint enables ease of PC Board layout	• Wide applications • Versatile range • Foot print compatible with competitive types	• Large capacity • Compact size • Foot print compatible with competitive types
• Sealed types availability	●	●	●	●	
• Latching types availability			—	●	
• Contact material (Optional material)	Silver alloy	Silver alloy	Silver alloy	Gold-flashed silver alloy	Silver alloy
• Contact rating chart Maximum (cos φ = 1)					
Minimum	1 mA 100 μA 10 μA			1mA 0.1V	1mA 1V 1mA 1V
• Max. switching voltage	16V DC	—	16V DC	250V AC	30V DC, 250V AC
• Contact arrangement	1a, 1c	1c × 2	1a, 1c	1c 2c 3c 4c	1c 2c
• Life (Min. operation)	Electrical: 10 ⁵ Mechanical: 10 ⁶	2 × 10 ⁵ 10 ⁷	10 ⁵ (at rated load) / 2x10 ⁵ (14VDC N.O.: 5A, Inrush 25A) N.C.: 20A Brake 10 ⁷	2 × 10 ⁵ (DC) 10 ⁵ (AC) 5 × 10 ⁷	5 × 10 ⁵ (DC) 10 ⁵ (AC) 5 × 10 ⁷
• Break-down voltage	Between open contacts: 500Vrms Between contact sets: — Between contacts and coil: 500Vrms Between live parts and ground: —	1,000Vrms — 1,000Vrms —	500Vrms — 500Vrms —	700Vrms 700Vrms 2,000Vrms —	1,000Vrms 1,500Vrms 2,000Vrms —
• Surge withstand voltage	—	—	—	—	—
• Coil voltage	(DC) 12V	(DC) 12V	(DC) 12V	(DC) 6, 12, 24, 48 110V (AC) 6, 12, 24, 48 120, 240V	(DC) 6, 12, 24, 48 110V (AC) 6, 12, 24, 48 120, 240V
• Nominal operating power	1.5W	640m W	640m W	(DC) 0.9W (AC) 1.2VA	(DC) 0.9 to 1.0W (AC) 1.2 to 1.3VA
• Terminal layout (Bottom View) • coil terminal (.100 inch grid)					
mm inch					
• Standards	—	—	—	UL (E43028), VDE, CSA (LR26550), TV rating	UL (E43028), TV rating CSA (LR26550)
• Mounting method					

Note: Meaning of symbol marks : PC board terminal; : Plug-in; : Top-mounting; : Top-mounting with PC board terminals; : Surface-mounting