

## RELAYS AUTOMOTIVE AUTOMOTIVE RELAYS



**IMPIEGO/USE:**

Usati in fendinebbia, fari, tergilunotti, impianti di condizionamento, controlli di livello carburante, controlli dell'impianto di raffreddamento, nella gestione della disconnessione delle batterie,...

*Fog lamp and headlight control; Rear window defogger; Air conditioning; Fuel pump control; Cooling fan control; Battery disconnection devices, ...*

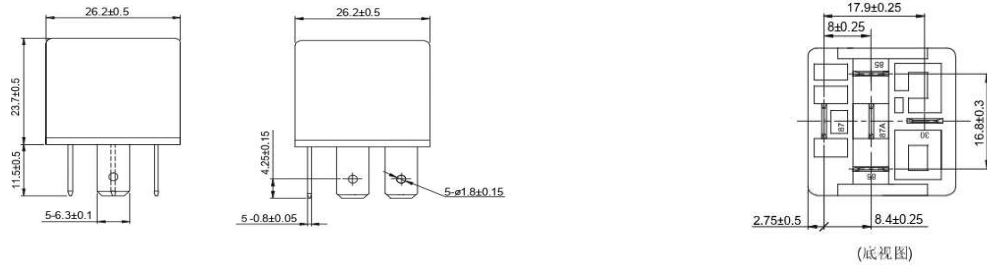
**Certificazioni/Approvals**  
CE

**note:**

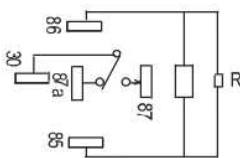
DATI TECNICI / DATA	
Tipo contatto/ <i>Contact form:</i>	1C
Carico resistivo/ <i>Resisting load</i>	NO: 40A 14VDC; 30A 28VDC NC: 30A 14VDC; 20A 28VDC
Carico Motore/ <i>Motor load:</i>	<i>Inrush:</i> 100A; A regime/ <i>Steady:</i> 20A 14VDC; 1s On/9,5s Off (23°C)
Carico Lampada/ <i>Lamp load:</i>	<i>Inrush:</i> 150A; A regime/ <i>Steady:</i> 30A 14VDC; 1s On/1s Off (23°C)
Caduta di tensione contatto/ <i>Contact voltage drop:</i>	Typ:40mV (10A)
Max tensione commutazione/ <i>Max switching voltage:</i>	Fino a 10A/Up to 10A
Durata/ <i>Life:</i>	10 <sup>6</sup> (vita elettrica/ <i>electrica life</i> ); 10 <sup>7</sup> /300 cicli min (vita meccanica/ <i>mechanical life</i> )
Resistenza all'isolamento/ <i>Insulation resistance:</i>	100MΩ MIN (500VDC)
Tempo di funzionamento/ <i>Operating time:</i>	≤10ms
Tempo di rilascio/ <i>Releasing time:</i>	≤10ms
Temperatura funzionamento/ <i>Operating temperature:</i>	-40/+125°
Resistenza alle vibrazioni/ <i>Vibration resistance:</i>	10-55Hz doppia ampiezza/ <i>double amplitude</i> 2,5mm
Resistenza iniziale contatto/ <i>Initial dielectric strenght:</i>	Tra contatti aperti/ <i>Between open contacts:</i> 50/60Hz 550VAC 1 min Tra bobina e contatti/ <i>Between coil and contact:</i> 50/60Hz 550 VAC 1 min
Resistenza agli urti/ <i>Shock resistance:</i>	Malfunzionamento/ <i>Malfunction:</i> 20G (196 m/s) <sup>2</sup> ; Soglia danno/ <i>damage limits:</i> 200G
Peso/ <i>Weight:</i>	28,8g (31,2g con flangia di fissaggio/ <i>with bracket</i> )

CARATTERISTICHE BOBINA/COIL FEATURES						
Codice Code	Voltaggio Voltage (V)	Resistenza Resistance (Ω±10%)	Corrente nominale Nominal current (mA)	Consumo di energia e tensione nominale Power consumption and rated voltage (W)	Tensione accumulata Pick up voltage (V max)	Dispersione tensione Drop out voltage (V/min)
1711C12DM	12VDC	75,6	159	1,9	7,8	1,2
1711C24DM	24VDC	309,8	77	1,9	15,6	2,4
1711C24DMD	24VDC	309,8	77	1,9	15,6	2,4

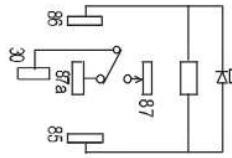
**MISURE/SIZES**



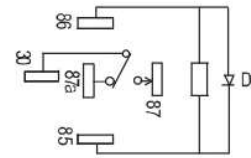
**SCHEMA ELETTRICO/WIRING DIAGRAM**



Coil with Resistor  
(Standard Type)

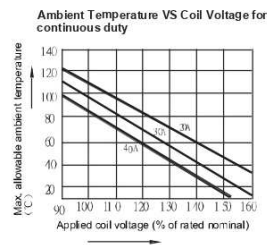
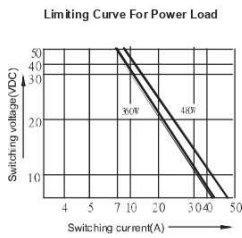


Coil with Diode



Coil with Reverse Diode

**PRESTAZIONI/REFERENCE DATA**



- Assumptions: 1. Thermal resistance=45 °Cper watt  
2. Nominal coil resistance  
3. Curves are based on 1.6watts at 20°C