# Automotive Relays

#### **Features**

Miniature and light weight Use for car control applications Switching capacity up to 20A Wash tight version



### Ordering information

	RA15 C - S DC12V				
Γ	1 Relay model	Note: RoHS : RoHS compliant relay			
ı	2 Contact arrangement: A: 1 Form A; C: 1 Form C	RoHS-I : AgNi contact			
1	3 Construction: NIL: Dust cover; S: Wash tight type	RoHS-N: AgSnO <sub>2</sub> contact			

#### Coil rating

4 Rated voltage

Rated voltage	Coil resistance	Rated current	Must operate voltage	Must dropout voltage	Maximum voltage	Power consumption (W)	Operate time	Release time
(V)	Ω+/-10%	(mA)	% of rated voltage (at +20°C)		Approx.	(ms)	(ms)	
5	31	161						
12	180	66.6	60 Max.	10 Min.	130 Max.	0.8	<10	<10
24	720	33.3						

CAUTION: 1. The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.

#### Characteristics

Contact arrangem	nent	SPST (1 Form A); SPDT (1 Form C)				
Contact material		Silver alloy				
Contact resistance		100mΩ Max.				
Contact rating (resistive)		NO: 20A/14VDC				
		NC: 10A/14VDC				
Switching power		280W Max.				
Switching voltage		DC 24V Max.				
Switching current		25A/14VDC Max. (10 minutes at 20°C)				
Insulation resistance		100MΩ Min. (500VDC)				
Dielectric strength		500VAC (50Hz/min)				
Shock resistance		Functional: 100m/s <sup>2</sup>				
		Destructive: 1,000m/s <sup>2</sup>				
Vibration resistance		44m/s² (consultant) 10-100Hz				
Ambient temperature		-40°C to +85°C				
Humidity		85% RH, 40°C				
Operation life	Mechanical	10 <sup>7</sup>				
	Electrical	10 <sup>5</sup>				
Weight		4g Approx.				

(Specifications are subject to change without notices.)

## El.italia serie FW-FRA15



