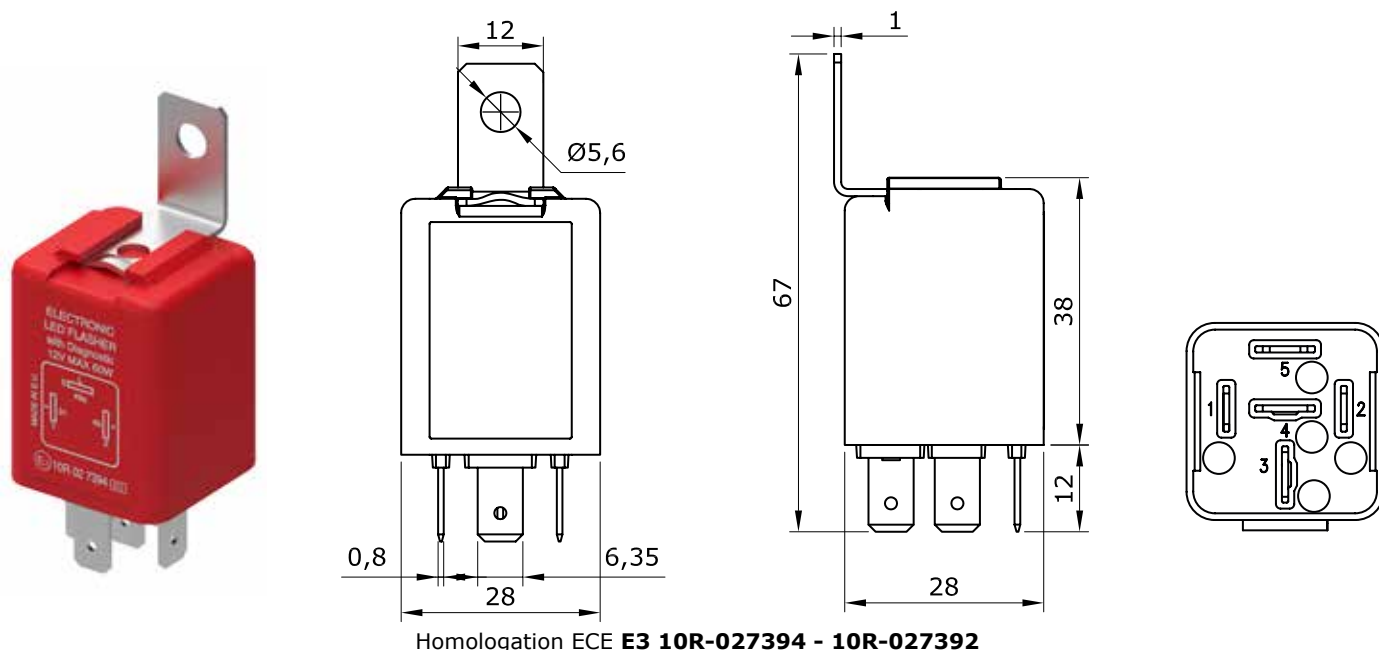




LED Flasher units are designed for vehicles with directional indicator LED lights. The use of LED lights instead of traditional bulbs has spread in the automotive market due to a longer life-span and high power efficiency. Traditional flasher for filament bulbs can not work in LED circuits, therefore we have introduced a complete range of LED flasher units with Failure Detection (load sensitive) and without Failure Detection.

International regulations requires the failure detection of a lamp for vehicles driven on public roads. The flasher warns the driver by increasing the flash rate of the direction indicators lights or by switching off an indicator light on the dashboard (trailers).

Autoelettric develops custom LED Flasher units for small OE manufacturers or bodybuilders. The failure detection is available also on hybrid indicator circuits fitted with LED and traditional filament bulbs.

I lampeggiatori a LED sono progettati per veicoli che utilizzano lampade di direzione a LED. La durata e l'alta efficienza energetica hanno portato ad una grande diffusione della tecnologia a luci LED a svantaggio delle lampade tradizionali. I lampeggiatori tradizionali per lampade ad incandescenza non funzionano con luci a LED, per questo abbiamo introdotto un range completo di intermittenze per LED con e senza rilevazione del guasto.

La normativa richiede la rilevazione e segnalazione del guasto al conducente per tutti i veicoli circolanti su strade pubbliche. Il flasher avvisa il conducente incrementando la frequenza di lampeggio degli indicatori di direzione o spegnendo una spia sul cruscotto (rimorchi).

Autoelettric sviluppa lampeggiatori LED personalizzati, per costruttori e allestitori. E' possibile rilevare il guasto della lampada anche su circuiti ibridi costituiti da LED e bulbi tradizionali.

		DIN			JAPAN	SEA/BNA			
	BATTERIA Battery	49	+49	+15	B	+	+	+	1
	LAMPADA Lamp	49a	L49a	S54	L	L	C	COM	2
	SPIA Vehicle Control Lamp	C		K		P	R	REP	5
	MASSA Earth/Ground	31	-31	-31	E	(-)	(-)	(-)	4
	SPIA RIMORCHIO Trailer Control Lamp	C2	C2	K1		C2	C2	R2	3

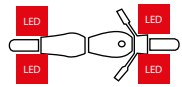
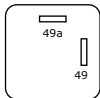
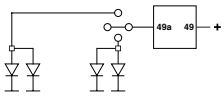
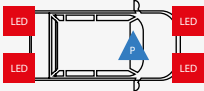
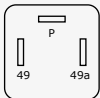
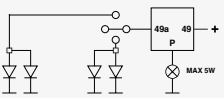
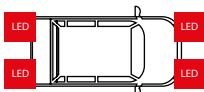
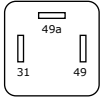
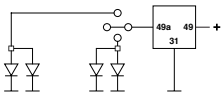
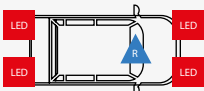
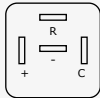
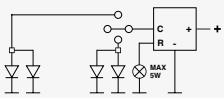
		DIN	JAPAN	SAE/BNA
	TERMINALI TERMINALS 2			
	TERMINALI TERMINALS 3			
	TERMINALI TERMINALS 4			
	TERMINALI TERMINALS 5			

LED Flasher Units

Lampeggiatori di Direzione per Luci a LED

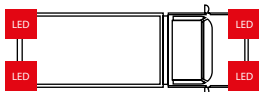
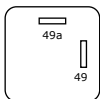
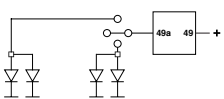
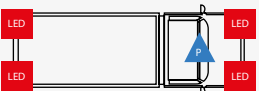
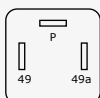
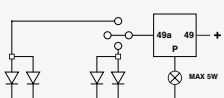
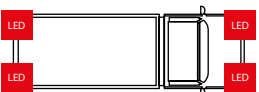
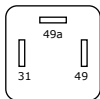
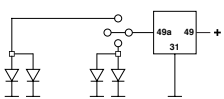
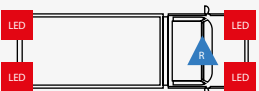
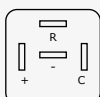
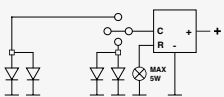
12V

Without Failure Detection
Senza Diagnostica

OUR CODE	DESCRIPTION	PINS	W	V	APPLICATION	CONNECTION	DIAGRAM
100 102 01 LED	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	2	30	12			
100 103 01 LED	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	3	30	12			
200 103 01	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	3	30	12			
200 104 01	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	4	30	12			

24V

Without Failure Detection
Senza Diagnostica

OUR CODE	DESCRIPTION	PINS	W	V	APPLICATION	CONNECTION	DIAGRAM
100 102 02 LED	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	2	40	24			
100 103 02 LED	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	3	40	24			
200 203 01	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	3	40	24			
200 204 01	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	4	40	24			



Failure Not Detected.
Guasto Non rilevato.



Dashboard/Trailer Lamp.
Spia Cruscotto/Rimorchio.

12V

With Failure Detection
Con Diagnostica

OUR CODE	DESCRIPTION	PINS	W	V	APPLICATION	CONNECTION	DIAGRAM
200.103.02	INTELLIGENT LED FLASHER UNIT LAMPEGGIATORE INTELLIGENTE PER LUCI A LED	3	10	12			
200.104.02	INTELLIGENT LED FLASHER UNIT LAMPEGGIATORE INTELLIGENTE PER LUCI A LED	4	10	12			
200.1H3.02	HYBRID LED FLASHER UNIT LAMPEGGIATORE IBRIDO PER LUCI A LED	3	60	12			
200.1H4.02	HYBRID LED FLASHER UNIT LAMPEGGIATORE IBRIDO PER LUCI A LED	4	90	12			

24V

With Failure Detection Only on Lamps
Con Diagnostica Solo sulla Lampada

OUR CODE	DESCRIPTION	PINS	W	V	APPLICATION	CONNECTION	DIAGRAM
200.2H3.02	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	3	60	24			
200.2H4.02	LED FLASHER UNIT LAMPEGGIATORE DI DIREZIONE PER LUCI A LED	4	90	24			

LED BULB Failure Not Detected. Guasto Non rilevato.
 LED BULB Failure Detected by the Unit. Guasto rilevato dalla centralina.
 ▲ Dashboard/Trailer Lamp. Spia Cruscotto/Rimorchio.