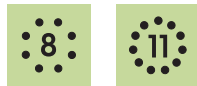
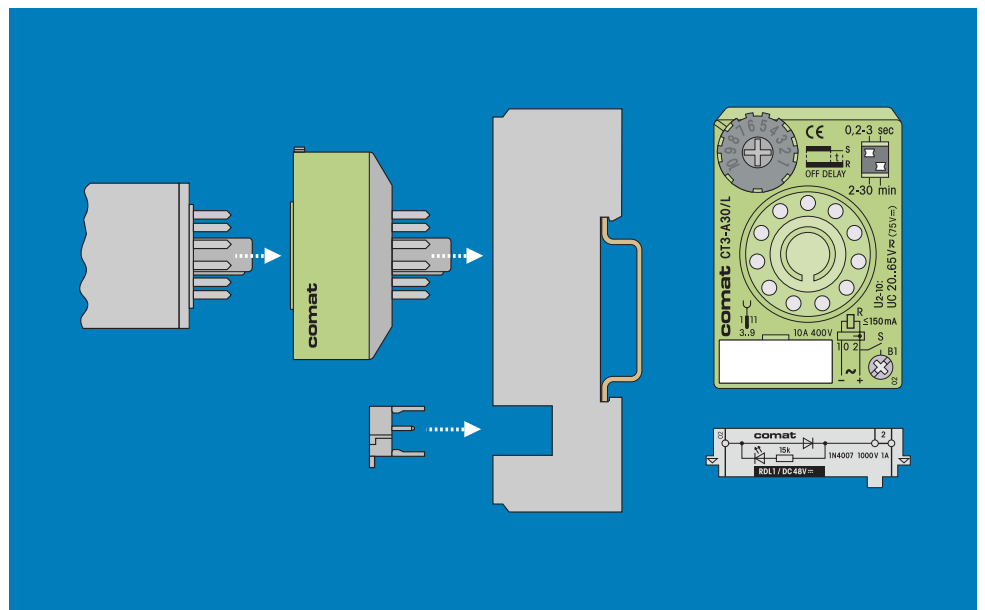


Industrial Relays

# Time Cubes and Relay Modules



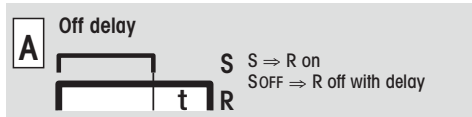
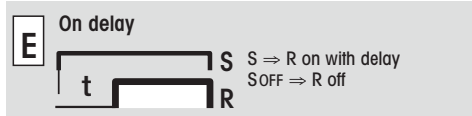
Comat products comply with different international standards and are certified accordingly.



Lloyd's  
IEC 61810; EN 60974

## Timing Functions (0,2s-30min)

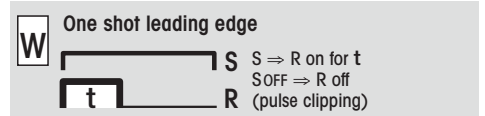
### Delay functions



### Pulse shaping



### Shot timing modes

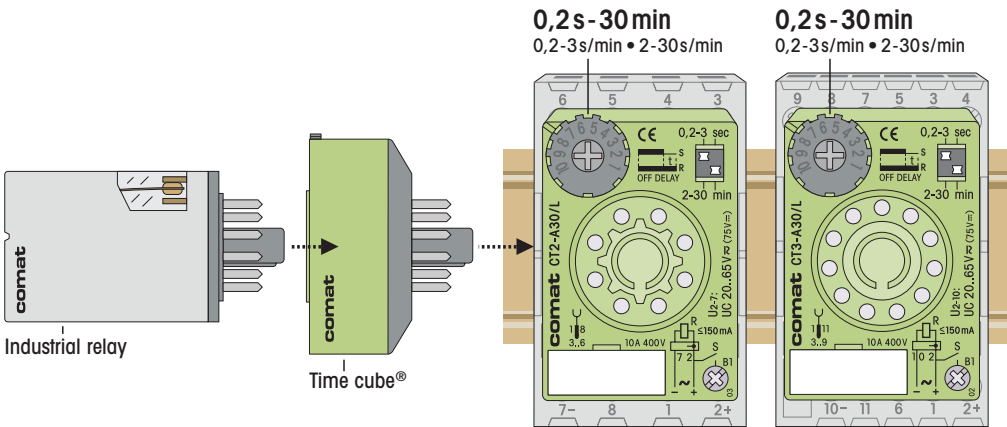


### Blinker functions



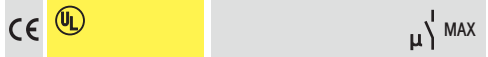


**SIMPLY PLUGED BETWEEN**

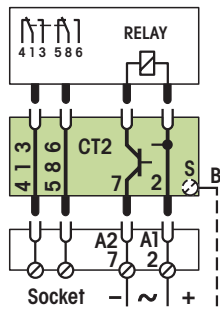


**8-/11-pole Plug-in Time Delay Relay System**  
 The simplest time delay relay system world-wide, fitting all 8 or 11-pin relay sockets (octal/sub-magnalite).  
 Original time cubes® are simply placed between socket and relay without rewiring.  
 In this way, even as a retrofit, all industrial relays can be provided with the required timing functions without additional space being required. The contact connections of the relay on the socket remain through-connected.

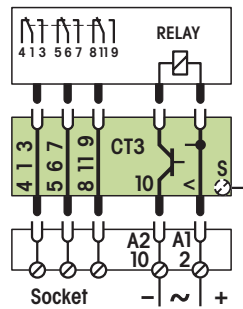
All new types ..30 (0,2s-30 min) are fully compatible with all previous types ..20, ..21 and ..25.



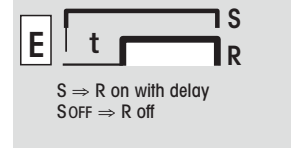
CT2 (8-pin)



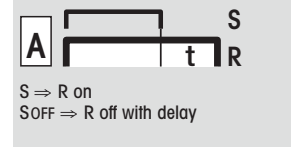
CT3 (11-pin)



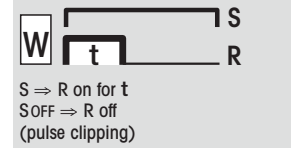
**On delay**



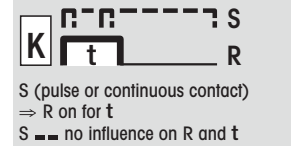
**Off delay**



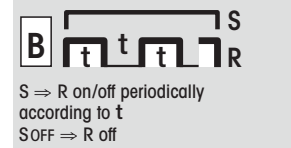
**One shot leading edge**



**Pulse shaping**



**Blinker, pulse start**



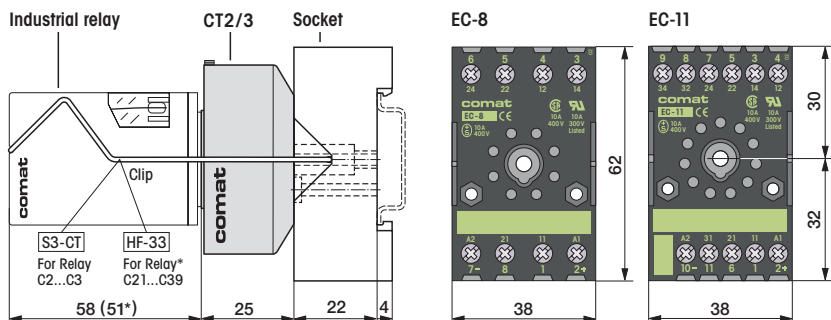
ON OFF S = Triggering  
 R = Output circuit  
 => switches...

10A 250V~

Order no.	Function	UC180-265V	UC90-150V	UC90-265V	UC20-65V	DC9,5-18V
2 = 8-pole	3 = 11-pole					
CT...-E30/...	E 1	H	L	S		
CT...-A30/...	A 2	U	M	L	S	
CT...-K30/...	K 2 W 3	U	M	L	S	
CT...-W30/...	W 1	H	L	S		
CT...-B30/...	B 1	H	L	S		

**Ordering example**

- Time cubes CT2-E30/H  
Socket EC-8 or CS-8
- Relay C2-...
- Time cubes CT3-E30/H  
Socket EC-11 oder C11A
- Relay C3-...





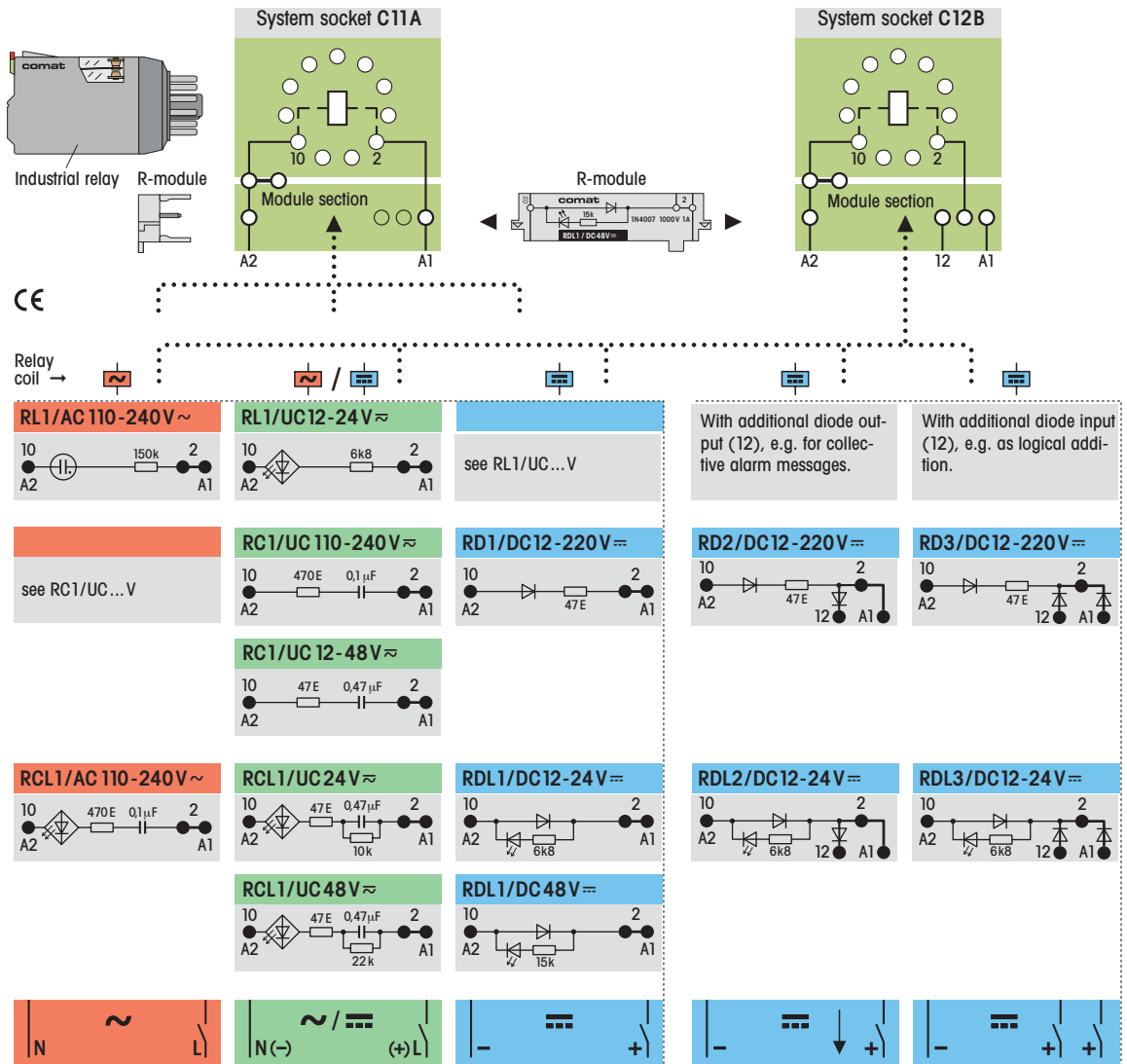
Supplementary products

Plug-in coil wirings for 3-pole Industrial Relays C3, C31 and C30

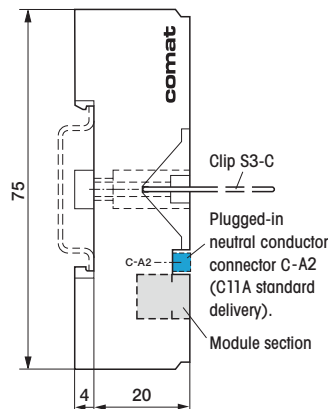
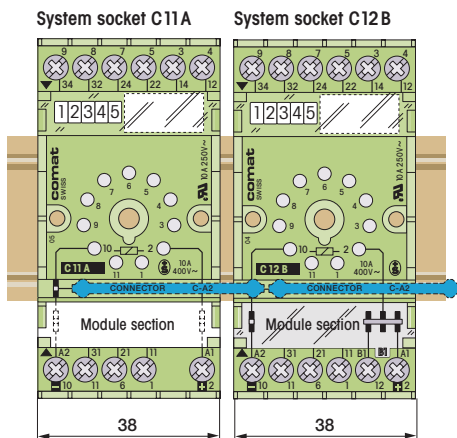
Relay modules indicate the relay's switch mode and/or help limiting cutoff voltage peaks in the control circuit by means of a diode or a RC module.

The types R..2/3 are equipped with additional diodes for signal or OR-circuits.

For parallel or serial connections the relay modules are simply plugged into the sockets C11A or C12B.



Ordering example  
 Module RCL1/UC48V  
 Socket C11A  
 Relay Type C3-...  
 Clip S3-C (option)



○ Jack on the socket  
 ● Plug pin on the R-module



**Kühn Controls AG**

**Notes:**

You want more information about this product, please call us: tel: +49 (0)7082-940000 or send us a fax: +49 (0)7082-940001, or email: [sales@kuehn-controls.de](mailto:sales@kuehn-controls.de) or visit our Website: [www.kuehn-controls.de](http://www.kuehn-controls.de)