Industrial Relays

Time Cubes and Relay Modules

Timing Functions (0.2s - 30min)

Delay functions

On delay

S = R on with delay
Soff = R off

Off delay

S = R on
Soff = R off with delay

Shot timing modes

One shot leading edge

S = R on for t
Soff = R off
(pulse clipping)

Pulse shaping

S (pulse or continuous contact)
S = R on for t
S = no influence on R and t

Blinker functions

S = R on/off periodically according to t
Soff = R off
Plug-in Time Cubes

8-/11-pole Plug-in Time Delay Relay System
The simplest time delay relay system worldwide, 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-30min) are fully compatible with all previous types ..20, ..21 and ..29.

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Triggering

<table>
<thead>
<tr>
<th>Function</th>
<th>Order no.</th>
<th>Triggering</th>
<th>Output circuit</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.2 s - 30 min</td>
<td>8-pole</td>
<td>A2 A1 A3</td>
<td>S OFF R on/OFF</td>
</tr>
<tr>
<td>0.2 s - 30 min</td>
<td>11-pole</td>
<td>A2 A1 A3</td>
<td>S OFF R on/OFF</td>
</tr>
</tbody>
</table>

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....
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.