comat

Delay functions



Pulse shaping



Delayed pulse



Special functions



Shot timing modes

	0	
W	One shot leading edge	$\begin{split} S &\Rightarrow R \text{ on for } t \\ \text{SOFF} &\Rightarrow R \text{ off} \\ (\text{pulse clipping}) \end{split}$
Ν	One shot trailing edge	$\begin{array}{l} \text{SOFF} \Rightarrow \text{R on for } t \\ \text{S on for } t \Rightarrow \text{R off} \end{array}$
Q	One shot leading and t	

Blinker functions

B Blinker, pulse start	$\begin{array}{l} S \Rightarrow R \text{ on/off periodically} \\ \text{according to } t \\ \text{SOFF} \Rightarrow R \text{ off} \end{array}$
Binker, pulse start, trai	ling pulse S ⇒ R on/off periodically according to t SOFF: last pulse = t
B2 Binker, interval start	$\begin{split} S \Rightarrow R \text{ after } t \text{ on/off periodically} \\ according \text{ to } t \\ \text{SOFF} \Rightarrow R \text{ off} \end{split}$

S $S \Rightarrow R \text{ on/off periodically}$

Repeat cycle timer, interval start C55, CT1: t2 t1

 $\label{eq:states} \begin{array}{c} S \Rightarrow R \text{ after } t1 \ (t2) \text{ on/off periodically according to } t2 \text{ and } t1 \\ t1 \ t2 \ t1 \ R \end{array} \\ \begin{array}{c} S \Rightarrow R \text{ off} \end{array}$

according to t1 and t2

Repeat cycle timer

Ρ

Repeat cycle timer, pulse start

 $\begin{array}{c} \text{according to } \\ \text{t1} \\ \text{t2} \\ \text{t1} \\ \text{R} \\ \end{array} \begin{array}{c} \text{according to } \\ \text{SOFF} \Rightarrow \text{R off} \\ \end{array}$

comat

Plug-in Time Cubes and Function Time Modules pour Industrial Relays E A F W N Q K L M B B1 B2 G H I P S LS X1 U V Type CT..-E 30 . 8 11 11 Plug-in Time Delay Relays

ΞΞ	* 11 *
ī 1	

CT _F 30	-																										
012 00	•	\triangle																					30			61	
CTA 30		٠																					30			61	
СТК 30				٠			٠																30			61	
CTW 30				٠																			30			61	
СТВ 30										٠													30			61	
CT30 ¹⁾	•			٠						٠													30			63	
CT32 ¹⁾	•	٠		٠	٠		٠			٠	٠												60*			63	
CT33 ¹⁾	•	٠	\triangle	٠	٠	Δ	٠	٠		٠	٠													60*		63	
CT36 ¹⁾															٠	٠								60*		63	
C81	•											٠											30			67	
C82	•	٠		٠			٠																60			67	
C83	•	٠	\triangle	٠	٠	Δ	٠	٠		٠	٠													60*		67	
C84																							20			67	
C85			٠			٠							٠	٠	٠	٠								60*		67	
CS1	•			٠						٠		٠										٠	60*			68	
CS2	•	٠		٠	٠		٠			٠		٠										٠		60*		68	
CS3	•	٠		٠	٠		٠			٠		٠												60*		68	
C63	•	٠		٠	٠		٠			٠		٠												60*		68	
C64																							20			69	
C65																							6			69	
C66																	1						6			69	
C52	•	٠																					60			70	
C53	•	٠	٠	•	٠	٠	٠			٠				٠	٠									60		70	
C55	•	٠	٠	٠	٠	٠	٠		٠	٠			٠	٠	٠	٠		٠	٠	٠	٠				60	70	
C56	•	•	٠	•	٠	•	•		•	٠			٠	٠	٠	٠		٠	٠	٠	٠				60	70	

t-Stop t-Reset Ext. Poti

t max.

sec min hrs day Page

Plug-in Time Delay Relays multicomat

		Fur	nctio	n																			do	set	Poti			t max.		
	Туре	E	А	F	W	Ν	Q	К	L	М	В	Bı	B2	G	Н	Т	Ρ	S	LS	Y	U	۷	t-St	t-Re	Ext.	sec	min	hrs	day	Page
	RS 121	٠	٠		٠	٠		٠																				100		74
11	RS 121.P	٠	٠		٠	٠		٠																	•			100		74
***	RS 121.R	٠	٠		٠	٠		٠															٠	•				100		74
	RS 122-M															٠	•										2x30			75
	RS 122-MH															٠	•										30	30		75
	RS 122-H															٠	•											2x30		75
	RS 321	٠	٠		٠	٠		٠																				99,9		76
	RS 521	٠	٠		٠	٠		٠															•					99,9		76
	RS 41	٠	٠		٠			٠			٠																15			76
	CPX-519	٠	٠		٠	٠		•																			999			77
	CTI-519															٠											2x999			77
	CEA-226	٠	٠																							990				77
	CPX-129	٠	٠		٠	٠		•																			15			78
	CFG-126			٠										٠	٠												2x15			78
	CTI-129															٠											2x 15			78
	CEA-126	٠	٠																								15			79
	CWR-102				٠	٠	Δ																			1,5				79
	CX 38			٠										٠	٠													15		80
	CX 39 1)	٠																		٠						0,1		15		80
	CNS-4	٠		٠																							30			90
	CN 135	٠	٠																						٠		30			90

DIN Time Delay Relays		Fu	nctio	n																			g	set	Poti			t max.		
_	Туре	E	Α	F	W	Ν	Q	K	L	М	В	Bı	B2	G	Н	T	Р	S	LS	Y	U	۷	t-St	t-Re	EX.	sec	min	hrs	day	Page
DIN	CRE1	•																									30			82
DIN	CRA1		٠																								30*			82
	AE2	٠																									1,5			82
	AE2M	٠																									12			82
	AA2		٠																								1,5			82
	AA2M		٠																								12			82
* TF-60	CY1																			٠						60/0,1				82
The TF60 time setting methode permits short exami-	CRV1	٠			•						•																30			83
nation of long delay time settings. Elapsing times of	CRV2	٠	٠		•	٠		٠																				60*		83
hours can be monitored in the sec. range.	CSV2	٠	٠		•	٠		٠																	٠			10*		83
Example for a delay time of 38h:	CRV3			٠			٠																					2x60*		83
1. Set range switch to 60sec	CRT3															٠	٠											2x60*		83
2. Set 38sec on the potentiometer	AM1	٠			•						•		٠														60			84
(e.g. check 38sec by chronometer)	AM2	٠	٠		٠			٠																			60			84
3 Set range switch to 60h	AM3 ¹⁾	٠	٠		•			٠																			60			84
The delay time now amounts to 38h	CIM1	٠	٠		•	٠		٠			•	٠						٠	٠									60		84
The delay lime new amounts to both.	CM1	٠	٠		•			٠																			100			85
) alternatively with instantaneous contact	CM1L	٠	٠		•			٠																				12		85
 without auxiliance voltage (relay bistable) 	CM2	٠	٠		•			٠															٠	٠	•			12		85
without duxiliary voltage (relay bisidble)	CM3	٠	٠		•	٠		٠			•	٠																60		85
	CNR1																										12			86
$\triangle t2 = t1$	CT1															٠	٠										12/60			86
▲ $t^2 = 0.5s$	CTIL															٠	٠										60	30		86
	EC031	٠			•						•																20			87
	EC032	٠	٠		•	٠		٠			•																	12*		87
	CPF11		٠		•			٠	٠																	0,6				94
	CPF22		٠					٠																		0,2				94



Notes: