

Zeitdaten

Zeitfunktionen	A, N (Off delay without control voltage)
Zeitbereich	0.1 s ... 1.2 s / 1 s ... 12 s / 10 s ... 120 s / 1.7 min ... 20 min
Zeitskala	1.2 s / 12 s / 120 s / 20 min

Hauptstromkreis

Anzahl Kontakte	2 CO
Verfügbare Kontaktmaterialien	AgNi
Bemessungsspannung	250 V
Bemessungsstrom	5 A
Mindestlast	10 mA, 12 V
Einschaltstrom	10 A, 10 ms
Nennlast DC	fig. 3
Nennlast AC-1	1.250 VA
Mechanische Lebensdauer (Zyklen)	5 000 000
Elektrische Lebensdauer bei Nennlast AC-1 (Zyklen)	fig. 2

Steuerkreis

Nennspannung	24 ... 60 V AC / DC	110 ... 240 V AC / DC
Betriebsspannungsbereich	20 ... 75 V AC / DC	88 ... 265 V AC / DC
Leistungsaufnahme AC / DC	0.9 VA / 0.9 W	1.2 VA / 1.2 W
Stromaufnahme an Speisung A1-A2 AC / DC	15 mA / 15 mA	5 mA / 5 mA
Frequenzbereich	0; 50 ... 400 Hz	0; 50 ... 400 Hz

Isolation

Bemessungsprüfspannung Steuerung / Hauptkreis	2 kV rms / 1 min
Bemessungsprüfspannung Haupt / Hauptkreis	2 kV rms / 1 min
Bemessungsprüfspannung offener Kontakt	1 kV rms / 1 min
Verschmutzungsgrad	2
Überspannungskategorie	III

Allgemeine Daten

Lagertemperatur (kein Eis)	-40 ... 85 °C
Betriebstemperatur	-25 ... 60 °C
Abmessungen	fig. 4
Gewicht	75 g
Schutzklasse	IP 20
Gehäusewerkstoff	PC

Produkt Referenzen

Beschreibung	Typ	24-60	110-240
AC / DC Versorgung	C64/UC...V	✓	✓

Andere Geräte auf Anfrage. Bitte kontaktieren Sie uns unter support@comatreleco.com.
 «...» Liste der Spulenspannungen, um die Produktreferenzen zu vervollständigen.

Zubehör

Sockel	S3-M
Haltefeder, Stahl	HF-50 (BAG 10 PCS)



fig. 1. Verdrahtungsdiagramm

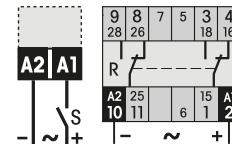


fig. 2. Wechselstrom-Schaltzyklen

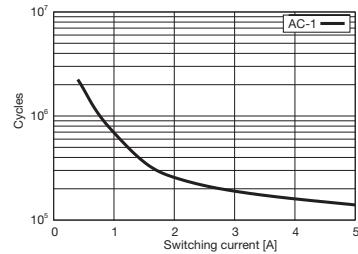


fig. 3. Gleichstrom-Grenzlastkurve

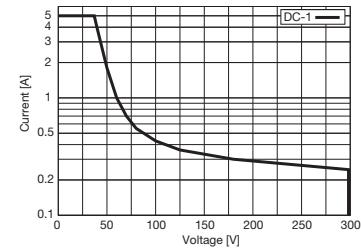
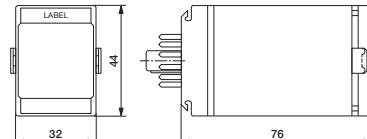


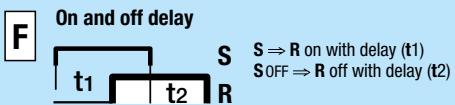
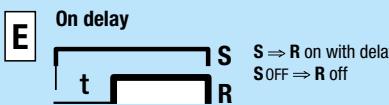
fig. 4. Abmessungen (mm)

**Technische Zulassungen, Konformitäten**

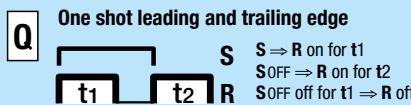
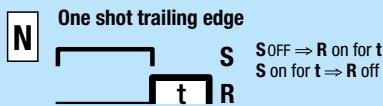
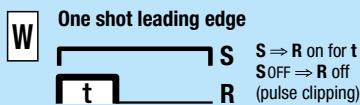
Normen IEC/EN 60947
 Zulassungen CE cULus EAC UK CA

Time functions

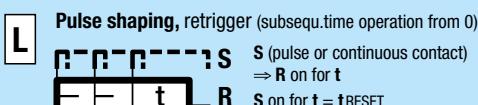
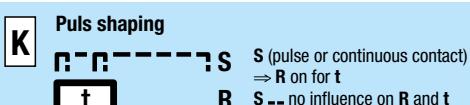
Delay functions



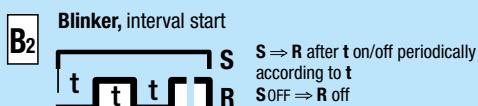
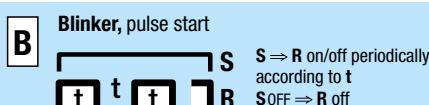
Shot timing modes



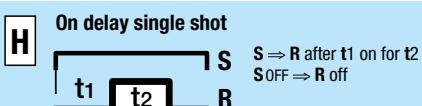
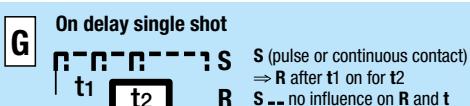
Puls shaping



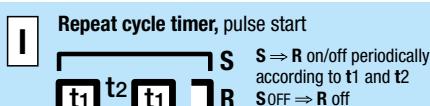
Blinker functions



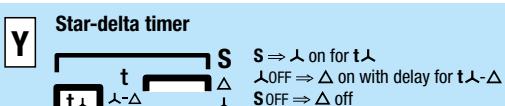
Delayed pulse



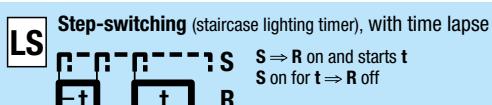
Repeat cycle timer



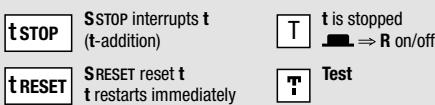
Special functions



Special functions



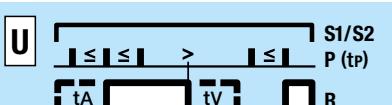
Stop/Reset



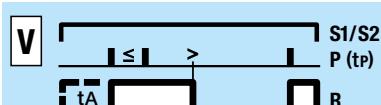
S = Triggering
R = Output circuit
=> switches...

ON OFF

Pulse sequence monitoring



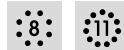
\leq : Pulse separation is smaller than the time tp
 $>$: Pulse separation is larger than the time tp



Start with S1 = without start-up short-out tA
Start with S2 = start-up short-out tA

S1/S2 = Monitoring start
P = Pulse sequence
tp = Pulse separation

tv = settable alarm delay
delay (tA - tv)

Time Cubes


Type	Function															t-Stop	t-Reset	Ext. Poti	t max.				Page		
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	X ₁	U	V	sec	min	h	d
CT..-E 30	●																						30		229
CT..-A 30		●																					30		229
CT..-K 30				●			●															30		229	
CT..-B 30									●													30		229	

**Modular plug-in Time Relays
(CT-System)**


Type	Function															t-Stop	t-Reset	Ext. Poti	t max.				Page	
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	X ₁	U	V	sec	min	h
CT32...	●	●		●	●		●			●	●											60*		233
CT33...	●	●	△	●	●	△	●	●		●	●		▲	▲								60*		234
CT36...													●	●								60*		235

Plug-in Time Relays


Type	Function															t-Stop	t-Reset	Ext. Poti	t max.				Page	
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	X ₁	U	V	sec	min	h
C55	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							60		210
C55.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							60		211
C55.4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							60		212
C56	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							60		213
C64	■			■																		20		214
CS2	●	●		●	●		●			●	●										●	60*		217
CS3	●	●		●	●		●			●	●											60*		218
RS 41-M	●	●		●			●			●												15		219

Plug-in Time Relays


Type	Function															t-Stop	t-Reset	Ext. Poti	t max.				Page	
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	X ₁	U	V	sec	min	h
C83	●	●	△	●	●	△	●	●		●	●		▲	▲								60*		215
C85		●			●								●	●	●	●						60*		216

DIN Time Relays


Type	Function															t-Stop	t-Reset	Ext. Poti	t max.				Page		
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	Y	U	V	sec	min	h	d
AA2 - AA2M	●																					1,5/12		170	
AE2 - AE2M	●																					1,5/12		171	
AL1							●																	195	
AL3							●						●	●									60		196
AL4							●						●	●									60		197
AL5													●											198	
AM1	●		●					●	●														60		199
AM2	●	●	●				●																60		200
AM3 ¹⁾	●	●	●				●																60		201
CM2	●	●	●				●			●	●								●	●	●	12		202	
CM3	●	●	●	●	●		●			●	●											60*		203	
CMD11 A	●																							168	
CMD11 E	●																							169	
CIM1	●	●	●	●	●		●			●	●			●	●							60*		176	
CIM12	●	●	●	●	●		●			●	●			●	●							60*		178	
CIM13	●	●	●	●	●		●			●	●			●	●							60*		180	
CIM14	●	●	●	●	●		●			●	●			●	●							60*		182	
CIM2	●	●	●				●	●	●	●	●			●	●							60*		183	
CIM22	●	●	●				●	●	●	●	●			●	●							60*		185	
CIM23	●	●	●				●	●	●	●	●			●	●							60*		187	
CIM3	●	●	●				●							●	●							60*		189	
CIM32	●	●	●				●							●	●							60*		191	
CIM33	●	●	●				●							●	●							60*		193	
CRV4	●	●	△	●	●	△	●	●	●	●	●			●	●					●		60*		205	
CSV4	●	●	△	●	●	△	●	●	●	●	●			●	●					●		10*		206	
CPF11	●						●	●														0.6		204	
CY1																●								208	

* TF-60 Setting of long times

The TF60 time setting method permits short examination of long delay time settings. Elapsing times of hours can be monitored in the sec. range.

Example for a delay time of 38h:

1. Set range switch to 60sec

2. Set 38sec on the potentiometer
(e.g. check 38sec by chronometer)

3. Set range switch to 60h

The delay time now amounts to 38h.

¹⁾ alternatively with instantaneous contact

■ without auxiliary voltage (relay bistable)

□ without auxiliary voltage (relay monostable)

△ t₂ = t₁

▲ t₂ = 0.5s