

QSU

Mechanical timer 16 A / 230 V AC-1



Type	QSU 35U	QSU 35WU
	Mechanical day timer	Mechanical week timer
Time schedule	Day	Week
Memory Space	1	1
Shortest switching time	30 min	30 min
Summer / winter-time changeover	-	-
power reverse	150 h	150 h
Number of contacts	1	1
Load AC-1	16 A / 230 V	16 A / 230 V
Operating voltage	230 V AC	230 V AC
Operating temperature	0...+50 °C	0...+50 °C

Specifications

Protection degree	IP 20
Weight	134 g

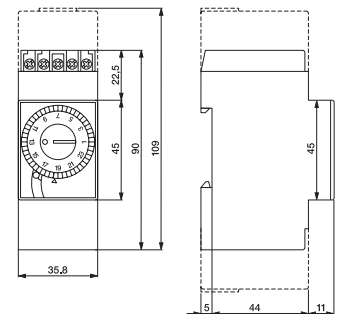
Product References

AC 230 V

QSU 35 U/AC230V
QSU 35 WU/AC230V



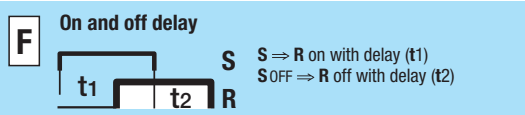
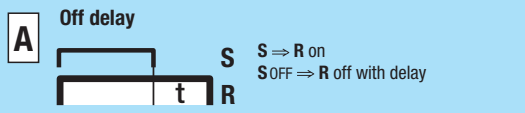
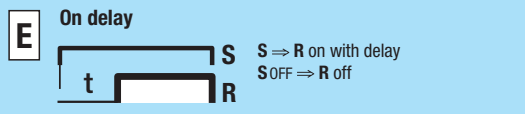
Dimensions (mm)



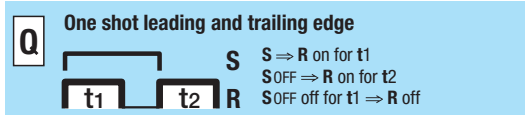
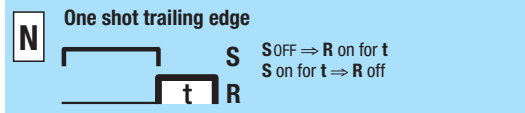
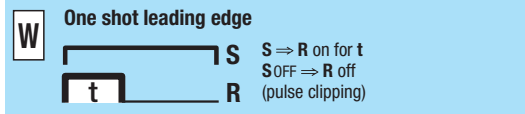
Technical approvals, conformities



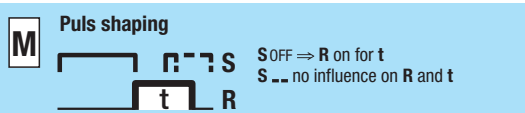
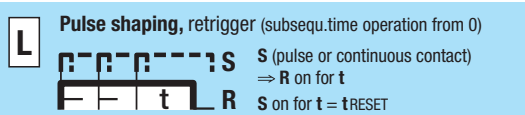
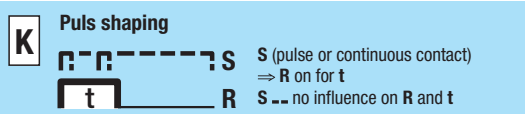
Delay functions



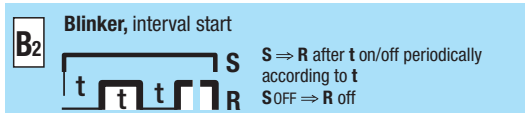
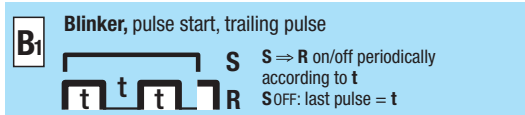
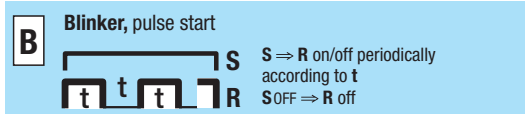
Shot timing modes



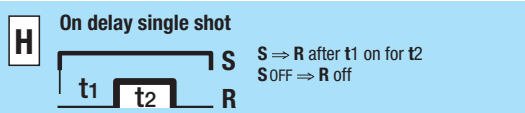
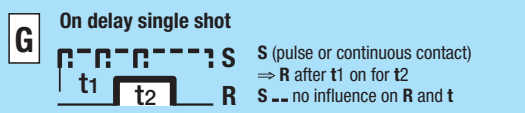
Puls shaping



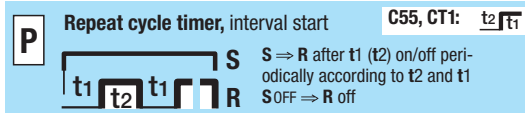
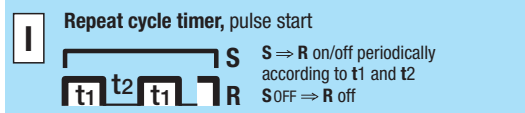
Blinker functions



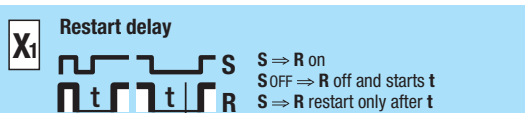
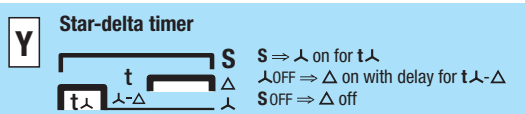
Delayed pulse



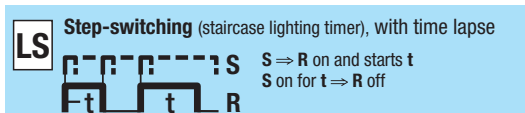
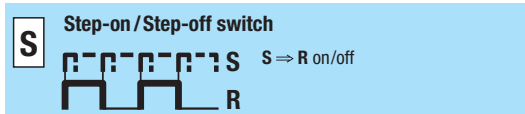
Repeat cycle timer



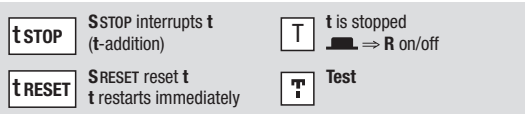
Special functions



Special functions



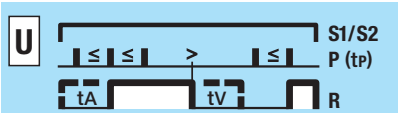
Stop/Reset



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



Pulse sequence monitoring



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

≤: 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

tv = settable alarm delay
delay (tA = tv)

Time Cubes



Type	Function																t-Stop	t-Reset	Ext. Pol.	t max.										
	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	Page	
CT...E 30	●																									30				203
CT...A 30		●																								30				203
CT...K 30					●				●																	30				203
CT...B 30													●													30				203

Modular plug-in Time Relays (CT-System)



Type	Function																t-Stop	t-Reset	Ext. Pol.	t max.											
	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	Page		
CT32...	●	●			●	●																					60*				209
CT33...	●	●	△		●	△								▲	▲														60*		210
CT36...															●	●													60*		211

Plug-in Time Relays



Type	Function																t-Stop	t-Reset	Ext. Pol.	t max.										
	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	Page	
C55	●	●	●	●	●	●			●					●	●	●						●	●	●	●				60	186
C55.3	●	●	●	●	●	●			●					●	●	●						●	●	●	●				60	187
C55.4	●	●	●	●	●	●			●					●	●	●						●	●	●	●				60	188
C56	●	●	●	●	●	●			●					●	●	●						●	●	●	●				60	189
C64		■				■																				20				190
CS2	●	●			●	●					●	●																60*		193
CS3	●	●			●	●					●	●																60*		194

Plug-in Time Relays



Type	Function																t-Stop	t-Reset	Ext. Pol.	t max.										
	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	Page	
C83	●	●	△		●	△					●	●		▲	▲														60*	191
C85			●			●								●	●	●													60*	192

DIN Time Relays



Type	Function																t-Stop	t-Reset	Ext. Pol.	t max.											
	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	Page		
AA2 - AA2M		●																									1,5/12			154	
AE2 - AE2M	●																										1,5/12			155	
AL1								●																						170	
AL3								●															●	●				60			171
AL4								●															●	●				60			172
AL5																							●							173	
AM1	●				●					●	●																	60			174
AM2	●	●			●			●																				60			175
AM3 ¹⁾	●	●			●			●																				60			176
CM2	●	●			●			●																				12			177
CM3	●	●			●			●																				60*			178
CMD11 A	●																													152	
CMD11 E	●																													153	
CIM1	●	●			●			●															●	●					60*		160
CIM12	●	●			●			●															●	●					60*		161
CIM13	●	●			●			●															●	●					60*		162
CIM14	●	●			●			●															●	●					60*		163
CIM2	●	●			●			●																					60*		164
CIM22	●	●			●			●																					60*		165
CIM23	●	●			●			●																					60*		166
CIM3		●			●			●																					60*		167
CIM32		●			●			●																					60*		168
CIM33		●			●			●																					60*		169
CRV4	●	●	△		●	△		●						●	●	●													60*		180
CSV4	●	●	△		●	△		●						●	●	●													10*		181
CPF11		●						●																	0.6					179	
CY1																														184	

*** 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