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### 22.5 mm DIN rail mounting TU2R1 Part number 88865305



- Multi-function or mono-function
- Multi-range
- Multi-voltage
- Screw or spring terminals
- LED status indicator
- Option of connecting an external power supply to the control input
- 3-wire sensor control option

50 ms

100 ms

Pа	rt r	ıun	ıbe	rs

Туре	Functions	Timing	Output	Nominal rating	Connections	Supply voltage
88 865 305 TU2R1	A - At - B - C - H - Ht - Di - D - Ac -Bw	-	2 timed changeover relays	8 A	Screw terminals	24 V DC / 24 $\rightarrow$ 240 V AC

### **Specifications**

Timing	
Timing ranges (7 ranges)	1 s - 10 s - 1 min - 10 min - 1 h - 10 h - 100 h TK2R1 : 0.6s - 2.5s - 20s - 160 s
Repetition accuracy with constant parameters	± 0.5 % (IEC/EN 1812-1)
Drift Temperature	± 0,05 % / °C
Drift Voltage	±0.2 % / V
Display accuracy according to IEC/EN 61812-1	± 10 % / 25 °C
Minimum pulse duration typically (relay version)	30 ms

oud)	
Maximum reset time by de-energisation typically (relay	100 ms

Minimum pulse duration typically (solid state version)
Minimum pulse duration typically (relay version under

Maximum reset time by de-energisation typically (solid	350 n
tate version)	330 11

tate version)	
mmunity from micro power cuts : typical	> 10 ms

Supply	*** TRADUCTION MANQUANTE **
Multi-voltage power supply	Depending on version

equency (Hz)	50 / 60
perating range	85 to 110 % Un

range	85 to 110 % Un
	(85 to 120 % Un for 12V AC/DC)

sporating racion	.00 /0
Max. absorbed power	0,6 W 24 V AC/DC
	1,5 W 230 V AC
	32 VA 230 V AC

## Output specification

1 or 2 changeover relays, AgNi (cadmium-free)	2000 VA/80 W
Rated power	2000 VA/80 W
Maximum breaking current	8 A AC 8A DC
Minimum breaking current	10 mA / 5 V DC
Voltage breaking capacity	250 V AC/ DC
Electrical life (operations)	10 <sup>5</sup> operations 8 A 250 V resistive
Mechanical life (operations)	5x10 <sup>6</sup>
Breakdown voltage acc. to IEC/EN 61812-1	2.5 kV /1 min / 1 mA / 50 Hz
Impulse voltage acc. to IEC/EN 60664-1. IEC/EN 61812-1	5 kV ways 1.2 / 50 us

Solid state output	
Rated power	0,7 A AC/DC 20 °C (0,5 A UL)
Derating	5 mA / °C
Maximum admissible current	20 A ≤ 10 ms
Minimum breaking current	10 mA
Leakage current	< 5 mA
Voltage breaking capacity	250 V AC/ DC
Maximum voltage drop at terminals	3 wire 4V - 2 wire 8V
Electrical life (operations)	10 <sup>8</sup>
Mechanical life (operations)	10 <sup>8</sup>
Breakdown voltage acc. to IEC/EN 60664-1, IEC/EN 60255-5	2.5 kV to 1 mA / 1 min
Input type	Volt-free contact  3-wire PNP output control option residual voltage: 0.4V whatever the timer power supply

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Genfarinity to standards    ECEN 61800-6-2   ECEN 61000-6-2   ECEN 61000-6-3   ECEN 61000-6	0,02,201.	
IECCN 61000-6-1   IECCN 61000-6-2   IECCN 61000-6-3   IECCN 61000-6-3   IECCN 61000-6-3   IECCN 61000-6-4   IECCN 61000-6-6   IECCN 6100	General characteristics	
Temperature limits user (°C)   20 → +60	Conformity to standards	IEC/EN 61000-6-1 IEC/EN 61000-6-2 IEC/EN 61000-6-3
Temperature limits stored (**C)   30 → +60   Voltage surge category (acc. to IEC/EN 80689-1)   Voltage surge category (acc. to IEC/EN 80589-1)   Voltage acc. to IEC/EN 80589-1)   Voltage acc. to IEC/EN 80589-1   Voltage acc. to IEC/EN	Certifications	CE, UL, cUL, CSA, GL
Installation category  (acc. to IEC/EN 60664-1) Creepage distance and clearance acc. to IEC/EN 60684-1 Protection (IEC/EN 60529) IP 40 Degree of protection acc. to IEC/EN 60529 Front face (acc. to IEC/EN 60529 Front face) IP 50 Vibration resistance dcc. to IEC/EN 60682-6 IP 50 Vibration resistance dcc. to IEC/EN 60682-6 IEC/EN 60682-6 IEC/EN 60682-6 Immunity to radiation, accide frequency, electromagnetic lield acc. IEC/EN 61000-4-2 Immunity to rajoid transent bursts acc. to IEC/EN 61000-4 Immunity to rajoid resistance to IEC/EN 61000-4-2 Immunity to rajoid resistance to IEC/EN 61000-4-2 Immunity to rajoid resistance to IEC/EN 61000-4-3 Immunity to rajoid resistance to IEC/EN 61000-4-2 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IE	Temperature limits use (°C)	-20 <del></del>
Votage surge category  Torespage distance and clearance acc. to IEC/EN 60684-1  Protection (IEC/EN 60529)  Protection (IEC/EN 60529)  Degree of protection acc. to IEC/EN 60529 Front face (except Tk2R1)  Vibration resistance acc. to IEC/EN 60068-2-6  Relative humidity no condensation acc. to IEC/EN 60068-2  Bect to IEC/EN 60068-2-6  Relative humidity no condensation acc. to IEC/EN 60068-2  Bect to IEC/EN 60068-2-6  Relative humidity no condensation acc. to IEC/EN 60068-2  Bect to IEC/EN 60068-2-6  Bect to IEC/EN 60068-2-6  Level III (Air 8 KV / Contact 6 KV)  Level III (Air 8 KV / Contact 6 KV)  Level III (Vir 8 KV / Contact 6 KV)  L	Temperature limits stored (°C)	-30 <del>-&gt;+6</del> 0
Protection (IEC/EN 60529)  IP 20 IP 40  Degree of protection acc. to IEC/EN 60529 Front face (except Tk2R1)  Vibration resistance acc. to IEC/EN 60068-2-6  Relative humidity no condensation acc. to IEC/EN 60068-2-30  Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 60068-2-30  Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2  Immunity to radiated, radio-frequency, electromagnetic filed acc. IEC/EN 61000-4-3  Immunity to rapid transient bursts acc. to IEC/EN 61000-4-4  Immunity to rapid transient bursts acc. to IEC/EN 61000-4-4  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-6  Immunity to voltage acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-6  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-6  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-6  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-6  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-6  Immunity to radio		Voltage surge category
Degree of protection acc. to IEC/EN 60529 Front face (except Tk2R1)  Vibration resistance acc. to IEC/EN 60088-2-6  Relative humidity no condensation acc. to IEC/EN 60088 2-30  Self-early to condensation acc. to IEC/EN 60088 2-30  Self-early to radio frequency, electromagnetic field acc. IEC/EN 61000-4-3  Immunity to radio frequency, electromagnetic field acc. IEC/EN 61000-4-5  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to valiage dips and breaks acc. to IEC/EN 61000-4-5  Mains-borne and radiated emissions acc. to EN 55022 (CISPR22, EN5011 (CISPR11)  Fixing: Symmetrical DIN rail Connection capacity - with ferrule  Spring terminals, 2 terminals per connection point - fiesble wire  Housing material  P 40  If = 10 * 55 Hz A = 0.35 mm A = 0.35 mm  Level III (Air 8 KV / Contact 6 KV)  Level III (Air 8 KV / Contact 6 KV)  Level III (10 Y/m (80 M Hz to 1 G Hz)  Level III (10 Y/m (80 M Hz to 1 G Hz)  Level III (10 Y/m so 0.15 M Hz to 80 M Hz)  Level III (10 Y ms : 0.15 M Hz to 80 M Hz)  Level III (10 Y ms : 0.15 M Hz to 80 M Hz)  Class B  Self-extinguishing	Creepage distance and clearance acc. to IEC/EN 60664-1	4 kV / 3
Degree of protection acc. to IEC/EN 60529 Front face (except TkZR1)  IP 50  Vibration resistance acc. to IEC/EN 60068-2-6  Relative humidity no condensation acc. to IEC/EN 60068-2-30  Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2  Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3  Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3  Immunity to radio transient bursts acc. to IEC/EN 61000-4-4  Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5  Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5  Immunity to ordio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips acc. to IEC/EN 61000-4-4  Immunity to voltage to IEC/EN 6100-4-5	Protection (IEC/EN 60529)	IP 20
Poblic		IP 40
acc. to IEC/EN 60068-2-6 Relative humidity no condensation acc. to IEC/EN 60088-2-30 Say sans condensation Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2 Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-3 Immunity to rapid transient bursts acc. to IEC/EN 61000-4-5 Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5 Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-6 Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-1 Immunity to voltage dips and breaks acc. to IE		IP 50
Relative humidity no condensation acc. to IEC/EN 60068-2-30  Electromagnetic compatibility - Immunity to electrostatic discharges acc to IEC/EN 61000-4-2  Immunity to radiated, radio-frequency, electromagnetic field acc. IEC/EN 61000-4-3  Immunity to rapid transient bursts acc. to IEC/EN 61000-4-5  Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to valiage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-1  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-30-9%/100 ms > 95 %/15 s  Mains-borne and radiated emissions acc. to EN 55022  Class B  Glass B  Connection capacity - without ferrule  2 x 2.5 mm²  2 x 1,5 mm²  Spring terminals, 2 terminals per connection point - rigid wire  Housing material  Self-extinguishing	Vibration resistance	f = 10 • 55 Hz
2-30   95 % sans concensation   95 % sans concensation   1   1   1   1   1   1   1   1   1		A = 0,35 mm
Immunity to radiated, radio-frequency, electromagnetic field ace. IE/CEN 61000-4-3  Immunity to rapid transient bursts acc. to IEC/EN 61000-4-4  Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Mains-borne and radiated emissions acc. to EN 55022  (ISPR22), EN55011 (CISPR11)  Fixing: Symmetrical DIN ral  Connection capacity - with terrule  Spring terminals, 2 terminals per connection point - flexible wire  Housing material  Level III (4rr 8 KV / Connact 6 KV)  Level III (4rr 8 KV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (2 KV / common mode 2 KV/residual current mode 1KV)  Level III (10V rms : 0.15 M Hz to 80 M Hz)  30 %/10 ms 60 %/100 ms > 95 %/5 s  Class B  Class B  Class B  Connection capacity - without ferrule  2 x 2,5 mm²  Spring terminals, 2 terminals per connection point - flexible wire  Spring terminals, 2 terminals per connection point - rigid wire  4.  Evel III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupling clamp 1 KV)  Level III (direct 2kV / Capacitive coupl		93 % sans condensation
Immunity to rapid transient bursts acc. to IEC/EN 61000-4-4  Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-5  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11)  Fixing: Symmetrical DIN rail  Connection capacity - without ferrule  2 x 2,5 mm²  Spring terminals, 2 terminals per connection point - flexible wire  Housing material  Level III (10V rm 12 to 16 Hz)  Level III (2 KV / common mode 2 KV/residual current mode 1 KV)  Level III (10V rms: 0.15 M Hz to 80 M Hz)  Level III (10V rms: 0.15		Level III (Air 8 KV / Contact 6 KV)
Immunity to shock waves on power supply acc. to IEC/EN 61000-4-5  Immunity to radio frequency in common mode acc. to IEC/EN 61000-4-6  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Immunity to voltage dips and breaks acc. to IEC/EN 61000-4-11  Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11)  Fixing: Symmetrical DIN rail  Connection capacity - without ferrule  2 x 2,5 mm²  Spring terminals, 2 terminals per connection point - flexible wire  Housing material  Level III (direct 2kV / Capacitive coupling clamp 1 kV)  Level III (2 KV / common mode 2 KV/residual current mode 1 KV)  Level III (10V rms: 0.15 M Hz to 80 M Hz)  Level III (10V rms: 0.15 M Hz to 80 M Hz)  Level III (10V rms: 0.15 M Hz to 80 M Hz)  Level III (2 KV / common mode 2 KV/residual current mode 1 KV)  Level III (10V rms: 0.15 M Hz to 80 M Hz to 80 M Hz to 80 M		Level III 10V/m (80 M Hz to 1 G Hz)
Level III (2 KV / common mode 2 KV / residual current mode 1 KV)		Level III (direct 2kV / Capacitive coupling clamp 1 KV)
Immunity to voltage dips and breaks acc. to IEC/EN 61000- 4-11  30 %/10 ms 60 %/100 ms > 95 %/5 s  Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11)  Fixing: Symmetrical DIN rail  Connection capacity - without ferrule  Connection capacity - with ferrule  2 x 2,5 mm²  Spring terminals, 2 terminals per connection point - flexible wire  Spring terminals, 2 terminals per connection point - rigid wire  Housing material  Level III (10V rms : 0.15 M Hz to 80 M Hz)  30 %/10 ms 60 %/100 ms > 95 %/5 s  Class B  2 x 2,5 mm²  2 x 2,5 mm²  2 x 1,5 mm²  2,5 mm²  Self-extinguishing		Level III (2 KV / common mode 2 KV/residual current mode 1KV)
4-11 60 %/100 ms > 95 %/5 s  Mains-borne and radiated emissions acc. to EN 55022 (CISPR22), EN55011 (CISPR11) Class B  Fixing: Symmetrical DIN rail 35 mm  Connection capacity - without ferrule 2 x 2,5 mm²  Connection capacity - with ferrule 2 x 1,5 mm²  Spring terminals, 2 terminals per connection point - flexible wire 5pring terminals, 2 terminals per connection point - rigid wire 4print 2,5 mm²  Housing material Self-extinguishing 5elf-extinguishing		Level III (10V rms : 0.15 M Hz to 80 M Hz)
Class B  Fixing: Symmetrical DIN rail 35 mm  Connection capacity - without ferrule 2 x 2,5 mm²  Connection capacity - with ferrule 2 x 1,5 mm²  Spring terminals, 2 terminals per connection point - flexible wire 1,5 mm²  Spring terminals, 2 terminals per connection point - rigid wire 2,5 mm²  Housing material Self-extinguishing		60 %/100 ms >
Connection capacity - without ferrule 2 x 2,5 mm <sup>2</sup> Connection capacity - with ferrule 2 x 1,5 mm <sup>2</sup> Spring terminals, 2 terminals per connection point - flexible wire 1,5 mm <sup>2</sup> Spring terminals, 2 terminals per connection point - rigid wire 2,5 mm <sup>2</sup> Housing material Self-extinguishing		Class B
Connection capacity - with ferrule 2 x 1,5 mm <sup>2</sup> Spring terminals, 2 terminals per connection point - flexible wire 1,5 mm <sup>2</sup> Spring terminals, 2 terminals per connection point - rigid wire 2,5 mm <sup>2</sup> Housing material Self-extinguishing	Fixing : Symmetrical DIN rail	35 mm
Spring terminals, 2 terminals per connection point - 1,5 mm <sup>2</sup> Spring terminals, 2 terminals per connection point - rigid wire  Housing material  2,5 mm <sup>2</sup> Self-extinguishing	Connection capacity - without ferrule	2 x 2,5 mm <sup>2</sup>
Spring terminals, 2 terminals per connection point - flexible wire  Spring terminals, 2 terminals per connection point - rigid wire  Housing material  1,5 mm²  2,5 mm²  Self-extinguishing	Connection capacity - with ferrule	2 x 1,5 mm <sup>2</sup>
wire 2,5 mm  Housing material Self-extinguishing		
·		2,5 mm <sup>2</sup>
Weight: casing 17,5 mm 60 g	Housing material	Self-extinguishing
	Weight : casing 17,5 mm	60 g
Weight: casing 22,5 mm 90 g	Weight : casing 22,5 mm	90 g
Weight: plug-in casing 80 g	Weight : plug-in casing	80 g

90

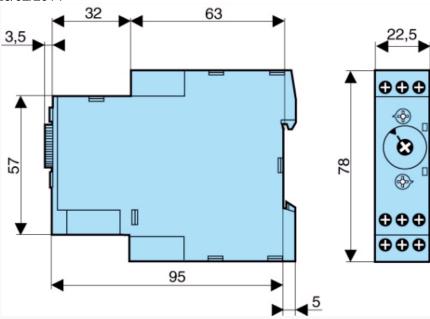
- Display
  State displayed by 2 LEDs
   Flashing green when on
   Relay LED yellow during timing
  Green LED operation indicator
  Pulsing:
   Timer on, no timing in process
  Permanently lit:

Permanently lit :

- Relay waiting, no timing in process

Dimensions (mm)

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### Curves

R1/R2
R2 Inst.

### Function A

Delay on energisation with 2 timed outputs or 1 timed and 1 instantaneous

### Curves

Function Ac - 2 relay outputs

U

C

R1/R2

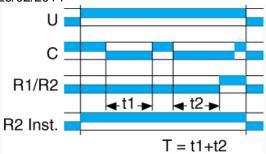
R2 Inst.

### **Function Ac**

Timing after closing and opening of control contact with 2 timed outputs or 1 timed and 1 instantaneous

### Curves

Function At - 2 relay outputs

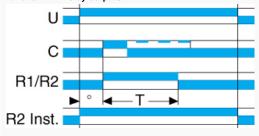


### **Function At**

Timing on energisation with memory with 2 timed outputs or 1 timed and 1 instantaneous

# Curves

### Function B - 2 relay outputs

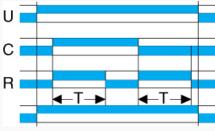


### Function B

Timing on impulse one shot with 2 timed outputs or 1 timed and 1 instantaneous

### Curves

## Function Bw - 2 relay outputs

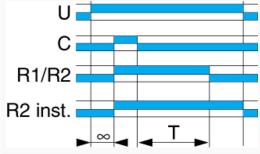


## Function Bw

Pulse output (adjustable) with 2 timed outputs or 1 timed and 1 instantaneous

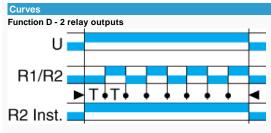
# Curves

### Function C - 2 relay outputs



### Function C

Timing after impulse with 2 timed outputs or 1 timed and 1 instantaneous

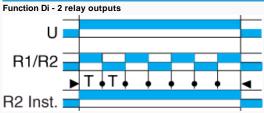


### **Function D**

Flip-flop

Pulse start with 2 timed outputs or 1 timed and 1 instantaneous

### Curves

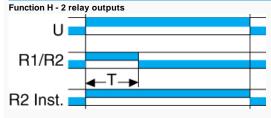


### **Function Di**

Flip-flop

Pulse start with 2 timed outputs or 1 timed and 1 instantaneous

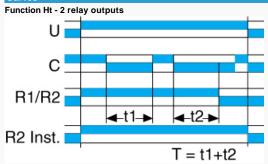
### Curves



### Function H

Timing on energisation with 2 timed outputs or 1 timed and 1 instantaneous

### Curves



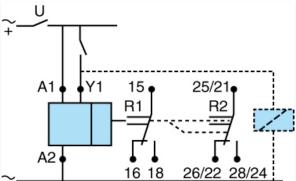
### **Function Ht**

Delay on energisation with memory with 2 timed outputs or 1 timed and 1 instantaneous

### Connections

2 changeover relay outputs

26/02/2014 www.crouzet.com



### **Functions**

A - At - B - C - H - Ht - Di - D - Ac - Bw Ad - Ah - N - O - P - Pt - TL - Tt - W

# AMEYA360 Components Supply Platform

# **Authorized Distribution Brand:**

























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