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# 22.5 mm DIN rail mounting TX2R1 Part number 88865385



- 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

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	t num	ners
I GI	HUMIT	MC13

Type	Functions	Timing	Output	Nominal rating	Connections	Supply voltage
88 865 385 TX2R1	Ad - Ah - N - O - P - Pt - TL - Tt - W	0,1s→100h	2 timed changeover relays	8 A	Screw terminals	24 V DC / 24 $\rightarrow$ 240 V AC

Tilling	
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
Minimum pulse duration typically (solid state version)	50 ms
Minimum pulse duration typically (relay version under load)	100 ms
Maximum reset time by de-energisation typically (relay version)	100 ms
Maximum reset time by de-energisation typically (solid state version)	350 ms
Immunity from micro power cuts : typical	> 10 ms
Supply	*** TRADUCTION MANQUANTE ***
Multi-voltage power supply	Depending on version
Frequency (Hz)	50 / 60
Operating range	85 to 110 % Un (85 to 120 % Un for 12V AC/DC)
Operating factor	100 %
Max. absorbed power	0,6 W 24 V AC/DC 1,5 W 230 V AC 32 VA 230 V AC

### **Output specification**

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, wave 1.2 / 50 μs

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
	5-wile i ivi output control option residual voltage . 0.4v whatever the time power supply

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Genfarinity to standards    ECEN 61800-6-2   ECEN 61000-6-2   ECEN 61000-6-3   ECEN 61000-6	0,00,00		
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 61000-6-6  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  Immunity to voltage dips and breaks acc. to IEC/EN 61000-6-7  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 61000-4-5 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  Class B  Mains-borne and radiated emissions acc. to EN 55022  C(SISR22), EN55011 (CISPR11)  Fixing: Symmetrical DIN rail  Connection capacity - without ferrule  2 x 2,5 mm²  Connection capacity - without ferrule  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 61000-4-6  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 mm <sup>2</sup> Spring terminals, 2 terminals per connection point - flexible wire  4 Self-extinguishing		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  Self-extinguishing  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 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 2 kV / Capacitive coupling		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	

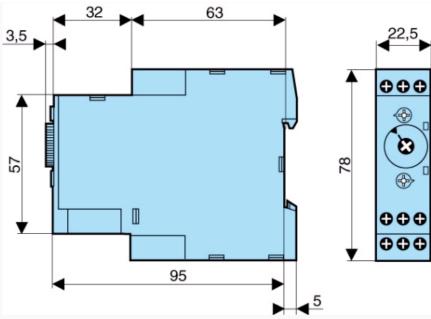
90

- 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 :

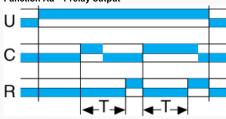
- Relay waiting, no timing in process

Dimensions (mm)



#### Curves

Function Ad - 1 relay output

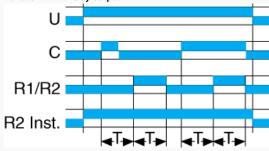


### Function Ad

Delay on energisation by switch (non resettable)

#### Curves

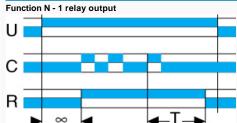
Function Ah - 1 relay output



## Function Ah

Flashing single cycle by switch (non resettable)

# Curves

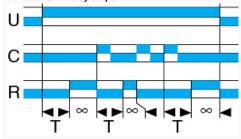


#### Function N

Safe-guard

#### Curves

Function O - 1 relay output

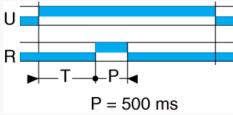


#### Function O

Delayed safe-guard

#### Curves

Function P - 1 relay output

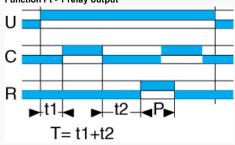


#### Function P

Delayed fixed-length pulse

#### Curves

Function Pt - 1 relay output

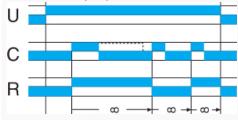


### **Function Pt**

Impulse counter (delay on)

#### Curves

Function TI - 1 relay output

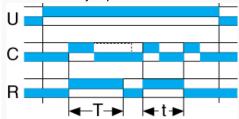


#### Function TI

Impulse relay

### Curves

Function Tt - 1 relay output

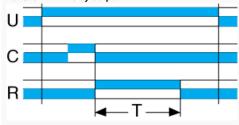


# Function Tt

Timed impulse relay

#### Curves

Function W - 1 relay output

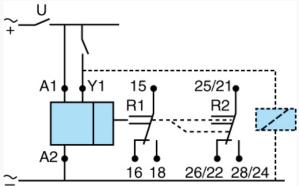


#### Function W

Timing after pulse on control contact

# Connections

2 changeover relay outputs



#### **Functions**

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

# **Mouser Electronics**

**Authorized Distributor** 

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