

Electronic multifunction counters without preselection

→ Multifunction counter with 2 totalizers - LED 24 x 48 - CTR24L

- High brightness display: 6-digit LED, height 8 mm
- Maximum input frequency 25 k Hz
- Counter with 2 separate totalizers, each with a dedicated input
- Reset on panel or external with inhibition option
- Supply: 10 → 30 V_{DC}
- Easy to program
- Scaling factor
- Decimal point
- Accessories for 50 x 25 mm cut-out



Part numbers

Type	Functions	Code
CTR24L - 2512	Counter with 2 separate totalizers	87623571

Accessories

Description	Code
Adaptor for 50 x 25 mm cut-out - Fixed with screws	26546843
Adaptor for 50 x 25 mm cut-out - Fixed with clips	26546844
DIN rail adaptor	26546840
Clip-fixing kit (supplied with the product)	26546848

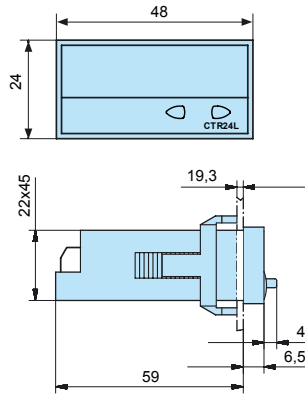
General characteristics

Environmental characteristics	
Consumption	10 → 30 V _{DC} max 55 mA with protection against polarity reversal
Connection by 5 screw terminals at rear of casing	✓
Terminal capacity	1.5 mm ²
Fixed using bracket	✓
Degree of protection front face	IP 65
Data memory	EEPROM
Temperature limits use (°C)	-20 → +55
Temperature limits stored (°C)	-20 → +55
Breakdown voltage	Selon EN 61010-1: 2000 V / 50 Hz / 1 min
Conformity to standards	EN 61000-6-2 - EN 55011 class B
Altitude	2000 m
Certifications	UL - cULus (pending) - CE
Weight (g)	50
Operating characteristics	
Functions	Counter with 2 separate totalizers
Display	6-digit LED
Height digits (mm)	8
Input characteristics	
Inputs	2 counter inputs, 1 reset input
Low level	0 → 0.2 x U _b V _{DC}
High level	0.6 x U _b → 30 V _{DC}
Cyclical ratio	Any (maximum frequency given for a cyclical ratio = 1/1) Schmitt trigger input
Polarity	NPN or PNP for all inputs (programming)
Minimum impulse duration for reset	5 ms
Frequency of filtered input	Filter active: 30 Hz Filter disabled: maximum frequency (programming)
Input impedance (kΩ)	Appr. 5
Impulse counter	
Display details	0 → 999 999
Display	When the buttons are pressed, the counter displays the following values: CntA → Value of counter A (INPA input) CntB → Value of counter B (INPB input) Asubb → Difference between A-B (INPA-INPB input) Aaddb → Addition of A+B (INPA+INPB input) AdlUb → Division of A/B (INPA/INPB input) Aprocb → Percentage (A-B) / A ((INPA-INPB) / INPA input)
Elimination of non-significant zeros	✓
Counting input modes	CntA → INPA input counting CntB → INPB input counting

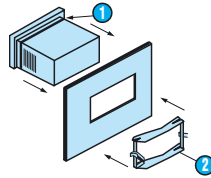
Inputs INPA / INPB	Dynamic
Reset input (terminal 5)	Dynamic Reset input connected in parallel with the red SET/RESET button Sets the counter to the defined preset value - possible on both totalizers
Reset to zero - Panel	If not locked during programming
Remise à zéro - Externe (borne 5)	If not locked during programming
Scale factor	1 → 99.9999 (separate for A and B)
Scaling factor	1 → 99.9999 (separate for A and B)
Decimal point	0 0.0 0.00 0.000
Maximum counting frequency	25 k Hz

Dimensions (mm)

CTR24L - 2512

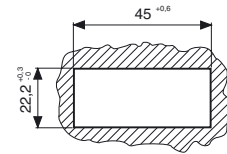


Fixing strip with clip-on yoke

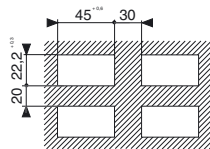


- ① Seal
- ② Fixing yoke

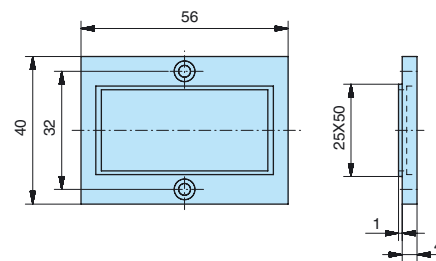
Panel cut-out



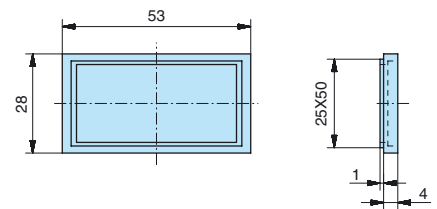
4 appliances



26546843 - Adaptor for 50 x 25 mm cut-out - Fixed with screws

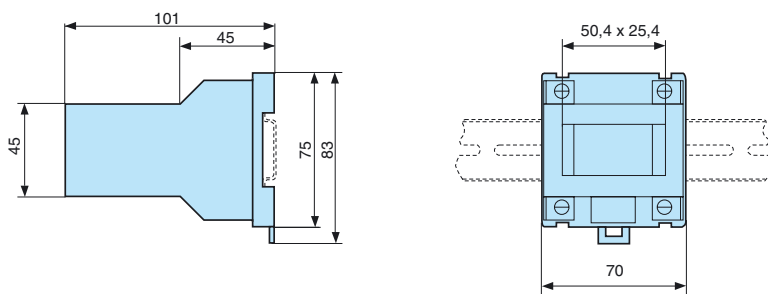


26546844 - Adaptor for 50 x 25 mm cut-out - Fixed with clips

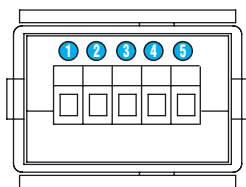


Accessory supplied with the counter

26546840 - DIN rail adaptor



Connections



- ① Supply: 10 → 30 V_~
- ② Supply: GND (0 V_~)
- ③ INPA
- ④ INPB
- ⑤ SET/RESET

Programming diagram

