
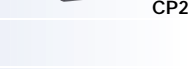





Function	Dimensions (mm)	Display	Max. counting speed	Counter input	Supply voltage	Manual reset	Designation	Timing range			
Counters and impulse counters	24 x 48	5 digits	50 to 60 Hz	-	24 V DC	Yes	Electro-mechanical counter 24 x 48 mm	99 766 927			
					24 V AC			99 766 924			
					115 V AC			99 766 922			
					230 V AC			99 766 921			
		6 digits	50 to 60 Hz		24 V DC	No		99 766 907			
					24 V AC			99 766 904			
					115 V AC			99 766 902			
					230 V AC			99 766 901			
		LCD 8 digits	100 Hz		Volt-free or Solid state contact	Lithium battery		Yes	CP2 2293	-	87 610 240
					Voltage			CP2 2294	-	87 610 250	
			7 KHz		Volt-free contact. Solid state or Voltage			CP2 2108	-	87 610 340	
					Solid state			CP2 2231	-	87 610 040	
	7.5 KHz	Voltage	CP2 2232	-	87 610 050						
		28 x 53	LCD 8 digits	7.5 KHz	Volt-free contact	Lithium battery	No	C108 sealed version 108	87 606 330		
	87 606 010										
	87 606 020										
	Yes						87 606 110				
							87 606 120				
							36 x 37		5 digits	50 to 60 Hz	-
	24 V AC	99 766 613									
	115 V AC	99 766 611									
	230 V AC	99 766 610									
	6 digits	50 to 60 Hz	24 V DC	No	99 766 607						
			24 V AC		99 766 604						
115 V AC			99 766 602								
230 V AC			99 766 601								
36 x 48	5 digits	50 to 60 Hz	-	24 V DC	Yes	Electro-mechanical counter 36 x 48 mm		99 766 716			
				24 V AC				99 766 713			
				115 V AC				99 766 711			
				230 V AC				99 766 710			
	6 digits	50 to 60 Hz		24 V DC	No		99 766 707				
				24 V AC			99 766 704				
				115 V AC			99 766 702				
				230 V AC			99 766 701				
36 x 72	LCD 8 digits	5 KHz	Volt-free contact. Solid state or Voltage	Lithium battery	Yes	3233	-	87 614 040			



WITHOUT PRESELECTION

	Function	Dimensions (mm)	Display	Max. counting speed	Counter input	Supply voltage	Manual reset	Designation	Timing range				
WITHOUT PRESELECTION	Hour counter/Chronometer	24 x 48	LCD 6 digits	7 KHz	Volt-free contact	Lithium battery	Yes	CP2 2108H	Second Minute Hour	87 610 440			
	Hour counters	24 x 48	LCD 6 digits	-	-	Volt-free contact or Solid state	Lithium battery	Yes	CP2 2213	Second Minute Hour	87 610 140		
						Voltage			CP2 2214	87 610 150			
		48 x 48	5 digits	-	50 Hz	-	Voltage	No	CH 48 G	Hour	18 to 26 V AC	99 761 710	
											36 to 48 V AC	99 761 711	
											110 to 127 V AC	99 761 712	
											220 to 240 V AC	99 761 714	
											24 to 30 V AC	99 761 718	
											110 to 127 V AC	99 761 715	
											220 to 240 V AC	99 761 716	
											Hour totalizer module	28 x 53	
	108	87 606 010											
	108 E	87 606 020											
	108 R	87 606 110											
Totalizer and ratemeter	36 x 72	LCD 8 digits	5 KHz	-	Volt-free contact. Solid state or Voltage	Lithium battery	Yes	3293	-	87 614 440			
										108 ER		87 606 120	
Tachometer	36 x 72	LCD 6 digits	5 KHz	-	Volt-free contact. Solid state or Voltage	Lithium battery	Yes	3253	-	87 614 340			

Function	Number of presets										Counting input modes				Dimensions (mm)	Display	Max. counting speed (KHz)	Output	Supply voltage	Designation		
	UP	DN	CUMUL	DIR	IND	PH	PH2	PH4	BATCH													
Upcounter Downcounter	1	x	x											48 x 48	LCD 5 digits	5	1 changeover	10 to 30 VDC	CP4 4141	87 618 042		
																		20 to 55 VAC		87 618 044		
																		80 to 260 VAC		87 618 048		
																		10 to 30 VDC		87 618 012		
																		20 to 55 VAC		87 618 014		
																		80 to 260 VAC		87 618 018		
	1	x	x											48 x 48	LCD red 5 digits	5	1 changeover	10 to 30 VDC	CP4 4341	87 618 142		
																		20 to 55 VAC		87 618 144		
																		80 to 260 VAC		87 618 148		
																		10 to 30 VDC		87 618 112		
																		20 to 55 VAC		87 618 114		
																		80 to 260 VAC		87 618 118		
	1	x	x	x	x	x	x	x	x	x	x	x	x	72 x 72	LCD 6 digits	5	1 contact and 1 solid state	10 to 30 VDC	CP7 7141	87 619 012		
															20 to 55 VAC			87 619 014				
															80 to 260 VAC			87 619 018				
															LCD red 6 digits			10 to 30 VDC		CP7 7341	87 619 112	
															20 to 55 VAC			87 619 114				
															80 to 260 VAC			87 619 118				
	2	x	x											48 x 48	LCD 5 digits	5	2 contact	10 to 30 VDC	CP4 4142	87 618 022		
																		20 to 55 VAC		87 618 024		
																		80 to 260 VAC		87 618 028		
																		2 contact		10 to 30 VDC	CP4 4144	87 618 062
																		20 to 55 VAC		87 618 064		
																		80 to 260 VAC		87 618 068		
2			x	x	x	x	x						48 x 48	LCD 5 digits	5	2 contact	10 to 30 VDC	CP4 4144	87 618 032			
																	20 to 55 VAC		87 618 034			
																	80 to 260 VAC		87 618 038			
																	2 solid state		10 to 30 VDC	CP4 4144	87 618 072	
																	20 to 55 VAC		87 618 074			
																	80 to 260 VAC		87 618 078			
2	x	x											48 x 48	LCD red 5 digits	5	2 contact	10 to 30 VDC	CP4 4342	87 618 122			
																	20 to 55 VAC		87 618 124			
																	80 to 260 VAC		87 618 128			
																	2 solid state		10 to 30 VDC	CP4 4342	87 618 162	
																	20 to 55 VAC		87 618 164			
																	80 to 260 VAC		87 618 168			
2			x	x	x	x	x						48 x 48	LCD red 5 digits	5	2 contact	10 to 30 VDC	CP4 4344	87 618 132			
																	20 to 55 VAC		87 618 134			
																	80 to 260 VAC		87 618 138			
																	2 solid state		10 to 30 VDC	CP4 4344	87 618 172	
																	20 to 55 VAC		87 618 174			
																	80 to 260 VAC		87 618 178			
2	x	x	x	x	x	x	x	x	x	x	x	x	72 x 72	LCD 6 digits	5	2 changeover and 2 solid state	10 to 30 VDC	CP7 7142	87 619 022			
														20 to 55 VAC			87 619 024					
														80 to 260 VAC			87 619 028					
														LCD red 6 digits			10 to 30 VDC		CP7 7342	87 619 122		
														20 to 55 VAC			87 619 124					
														80 to 260 VAC			87 619 128					



Function	Counting input modes										Dimensions (mm)	Display	Max. counting speed (KHz)	Output	Supply voltage	Designation				
	Number of presets		UP	DN	CUMUL	DIR	IND	PH	PH2	PH4							BATCH			
WITH PRESELECTION	Upcounter	2	x	x	x	x	x	x	x	x	x	x	48 x 48	LCD 5 digits	7.5	2 contact	10 to 30 VDC	CP4 4192	87 618 222	
																	20 to 55 VAC		87 618 224	
		2	x	x	x	x	x	x	x	x	x	x	x	48 x 48	LCD 5 digits	7.5	2 solid state	80 to 260 VAC	CP4 4192	87 618 228
																		10 to 30 VDC		87 618 262
		2	x	x	x	x	x	x	x	x	x	x	x	48 x 48	LCD red 5 digits	7.5	2 contact	20 to 55 VAC	CP4 4392	87 618 264
																		80 to 260 VAC		87 618 268
	Downcounter	2	x	x	x	x	x	x	x	x	x	x	x	48 x 48	LCD red 5 digits	7.5	2 contact	10 to 30 VDC	CP4 4392	87 618 322
																		20 to 55 VAC		87 618 324
	Batch counter	2	x	x	x	x	x	x	x	x	x	x	x	48 x 48	LCD red 5 digits	7.5	2 solid state	80 to 260 VAC	CP4 4392	87 618 328
																		10 to 30 VDC		87 618 362
	Chronometer	2	x	x	x	x	x	x	x	x	x	x	x	72 x 72	LCD 6 digits	7.5	2 changeover and 2 solid state	20 to 55 VAC	CP7 7192	87 618 364
															80 to 260 VAC			87 618 368		
Tachometer	2	x	x	x	x	x	x	x	x	x	x	x	72 x 72	LCD red 6 digits	7.5	2 changeover and 2 solid state	10 to 30 VDC	CP7 7192	87 619 222	
														20 to 55 VAC			87 619 224			
	2	x	x	x	x	x	x	x	x	x	x	x	72 x 72	LCD red 6 digits	7.5	2 changeover and 2 solid state	80 to 260 VAC	CP7 7392	87 619 228	
														10 to 30 VDC			87 619 322			
																	20 to 55 VAC		87 619 324	
																	80 to 260 VAC		87 619 328	



CP4 4192



CP7 7392

Reminder of input counting modes:

- UP Upcounting
- DN Downcounting
- CUMUL Cumulative counting
- DIR Directional up-down counting
- IND Independent up-down counting
- PH Encoder phase shift
- PH2 Encoder phase shift X2
- PH4 Encoder phase shift X4
- BATCH Batch counting