

Counters

Electromechanical counters

Types	EMCT46/EMCT47	E2CT4	E1CT4	ECH4
				

Version	Micro	Mini	Standard	Combination time and energy meter
Dimensions HxWxD (mm)	13.8 x 25x 35.2 20 x 30 x 36.2	24 x 48 x 53.8	24 x 48 x 49	48 x 48 x 38

Technical data				
Number of digit	6/7	5	6	7/8
Reset	no	yes	no	no
Digit height, visible (mm)	4 x 1.7 / 4 x 1.2	4 x 1.7	4 x 1.7	4 x 1.7
Panel cut-out (mm)	e.g. 27x 14	45 x 22 / 31 x 20	45 x 22 / 31 x 20	46 x 46 X Ø50.5
Mounting type	Panel / PCB	Panel / base mount / PCB	Panel / base mount / PCB	Panel / DIN-rail
Degree of protection	up to IP 65	IP 41	IP 41	IP 52 front side
Pulse voltage min. / max.	1.5 to 24 VDC	24 to 230 VAC 12 to 24 VDC	24 to 230 VAC 12 to 24 VDC	0 to 260 VAC 0 to 260 VDC
Max. count frequency	10 Hz	10 Hz	10 Hz	10 Hz
Min. power consumption	70 mW	0.75 VA (115 VAC) 1.5 VA (230 VAC) 130 mW VDC	0.75 VA (115 VAC) 1.5 VA (230 VAC) 50 mW VDC	1 W / 1.43 VA

References				
	EMCT46xxxxxx EMCT47xxxxxx	E2CT4xxxxxx	E1CT4xxxxxx	ECH4

Electronic counters

Types	FKA	DCT86	DMF861	DMF862
				

Version	LCD-Panel mount	LED-Panel mount	LED-Panel mount	LED-Panel mount
Dimensions HxWxD (mm)	DIN 48 x 24	DIN 48 x 24	DIN 48 x 24	DIN 48 x 24

Function				
Totaliser	yes			
Pulse counter		yes	yes	2 pulse counters, Pulse counter and timer, Pulse and frequency meter or 2 timers
Position display for encoders			yes	
Frequency meter/Tachometer			yes	
Timer			yes	

Technical data				
Number of digit	8	6	6	6
Reset	manual / electric	manual / electric	manual / electric	manual / electric
Digit height, visible (mm)	8	8	8	8
Panel cut-out(mm)	45 x 22	45 x 22	45 x 22	45 x 22
Degree of protection	IP 65 front side	IP 65 front side	IP 65 front side	IP 65 front side
Power supply	Lithium battery	10 to 30 VDC	10 to 30 VDC	10 to 30 VDC
Count inputs	NPN/PNP 10 to 260 VAC/DC	NPN/PNP	NPN/PNP	NPN/PNP

References				
	FKAxxxxxx	NI-DCT86xxxxxx	NI-DMF861xxxxxx	NI-DMF862xxxxxx

Counters

Digital multifunction

Types

DMF1461

DMF1462



Version

LED - Panel mount

LED - Panel mount

Dimensions HxWxD (mm)

DIN 96 x 48

DIN 96 x 48

Function

Pulse counter

Yes

2 pulse counters, Pulse counter and timer, Pulse and frequency meter or 2 timers

Position display for encoders

Yes

Frequency meter / Tachometer

Yes

Yes

Timer

Yes

Yes

Technical data

Number of digit

6

6

Reset

manual / electric

manual / electric

Preset

-

-

Digit height, visible (mm)

14

14

Panel cut-out (mm)

92 x 45

92 x 45

Degree of protection

IP 65 front side

IP 65 front side

Max. count frequency (Hz)

60000

60000

Supply voltage

90...260 VAC / 10...30 VDC

90...260 VAC / 10...30 VDC

Count inputs

Schmitt-Trigger

Schmitt-Trigger

References

DMF1461xxx0

DMF1462xx0

Hour meter electromechanical

Types

E1HM4

E2HM4

E2HM35

E1HM35



Version

Panel mount

Panel mount

Panel mount

DIN rail

Dimensions HxWxD (mm)

DIN 48 x 24 - DIN 28 x 53

DIN 48 x 48

Ø71.1 - Ø58,7

90 x 36 x 66

Technical data

Number of digit

7/8

7/8

6

7

Time range

0.01~99999.99h

0.01~99999.99h

0.01~99999.9h

0.01~99999.99h

Digit height, visible (mm)

4

4

3.5

3.5

Panel cut-out (mm)

45 x 22 / 50 x 25

46 x 46

Ø50.08

-

Degree of protection

IP 65 front side

IP 65 front side

IP 65 front side

IP 65 front side

Min. power consumption (W/VA)

0.5 / 1.2

0.5 / 1.2

0.7 / 0.4

1 / 2.5

Voltage range

20...264 VAC
10...130 VDC

20...440 VAC
10...30 VDC

115...230 VAC
10...80 VDC

24 / 115 / 230 VAC
10...27 VDC

References

E1HM4xxxxxx

E2HM4xxxxxx

E2HM35xxxxxx

E1HM35xxxxxx

Counters			
	Hour meter electronic LCD		Electronic multifunction counters
Types	FSA01	FSA02	DMF61 / DMF62
			
Version	LCD panel mount	LCD panel mount	LCD panel mount
Dimensions HxWxD (mm)	DIN 24 x 48	DIN 24 x 48	DIN 48 x 48
Technical data			
Number of digit	7	8	2 x 6
Time range	0.01 h; h.min	0.01 h; h.min	
Max. Count frequency (Hz)			50000
Preset			61 : 1 / 62 : 2
Reset	manual / electrical	manual / electrical	electronic
Digit height, visible (mm)	8	8	
Panel cut-out (mm)	45 x 22	45 x 22	45 x 45
Mounting type	Panel mount	Panel mount	Panel mount
Degree of protection	IP 65 front side	IP 65 front side	IP 65 front side
Power supply	Lithium battery (>8years)	Lithium battery (>8years)	90 to 260 VAC 10 to 30 VDC
Output			Relay or Optocoupler
Input			2 count inputs, gate, reset, lock, MPI, 4 optional inputs
References			
	FSA01xxxxxx	FSA02xxxxxx	DMF6101xxxx0 DMF6201xxxx0