

# OMRON Solid-State Timers



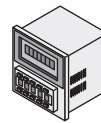
## OMRON H3CA SERIES: 1/16 DIN, DIGITAL-SET, SOLID-STATE TIMER

### Specifications:

- Control Output: Time limit - SPDT; Instantaneous - N/A
- Connection: 11-pin socket (P2CF-11) required for mounting
- Mechanical service life: 10 million operation min.
- Electrical service life: 100,000 operations min.
- Timing functions: ON-delay, Repeat cycle, signal interval/ OFF-delay; signal OFF-delay I; interval; Cycle; signal ON-delay/OFF-delay; signal OFF-delay II

### Features:

- 8 field-selectable operation modes
- Selectable no-voltage start, reset, gate and check input
- Time remaining LCD bar graph and LCD output status indicator
- Universal AC/DC supply voltage



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Maximum Load	Price Each		
				1	5	10
653-H3CA-A 653-H3CA-8H-AC100	H3CA-A H3CA-8H-AC100/110/120	24 to 240VAC; 12 to 240VDC 100/110/120VAC	3A @ 250VAC 3A @ 250VAC	115.58 186.25	113.40 176.94	109.58 167.63
<b>Accessories</b>				1	25	50
653-P2CF-11	P2CF-11	11-pin round socket, bottom surface or track mounting, top screw terminals 11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals Panel mount adapter, ideal for side by side installation, use w/P3G sockets DIN rail, 1m in length DIN rail spacer		10.11	9.48	8.87
653-P3GA-11	P3GA-11		9.34	8.75	8.19	
653-Y92F-30	Y92F-30		9.02	8.33	7.65	
653-PFP-100N	PFP-100N		5.92	5.56	5.28	
653-PFP-M	PFP-M		.62	.61	.57	

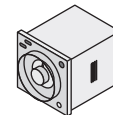
## OMRON H3CR SERIES: 1/16 DIN SOLID-STATE TIMER

### Specifications:

- Control output type: DPDT relay
- Supply voltage: 100-240VAC/24VAC or 12VDC or 24VDC
- Maximum load: 5A @ 250VAC

### Features:

- Wide range AC supply voltage models (100-240VAC) fit most applications and reduce spare parts inventories.
- Short (80 mm) panel mounting depth with socket allows for more space-efficient control panel design.



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MOUSER STOCK NO.	Omron Part No.	Output	Terminal Form	Terminal Range	Timing Function	Price Each		
						1	5	10
<b>Analog-Set Timer</b>								
653-H3CRA-AC1	H3CR-A-AC100-240/DC100-125	100-240 VAC	11-pin round	0.05s to 300hr	ON-Delay, Repeat cycle, (B, B2), Signal ON/OFF delay, Signal OFF-delay, Interval	71.17	65.17	61.97
653-H3CRA8-AC1 653-H3CRA8EAC	H3CR-A8-AC100-240/DC100-125 H3CR-A8E AC100-240/DC100-125	100-240 VAC 100-240 VAC (50/60 Hz)/ 100-125 VDC	8-pin round 8-pin round	0.05s to 300hr 0.05s to 300hr	ON-delay, interval ON-delay, interval	71.17 110.85	65.17 105.07	61.97 99.75
653-H3CRA-24	H3CR-A-AC24-48/DC12-48	100-240 VAC	11-pin round	0.05s to 300hr	ON-Delay, Repeat cycle, (B, B2), Signal ON/OFF delay, Signal OFF-delay, Interval	77.10	70.60	67.14
<b>Repeat-Cycle Timer</b>								
653-H3CRF83AC100/240 653-H3CRF8AC100/240 653-H3CR-F8N	H3CR-F8-300-AC100/240 H3CR-F8-AC100-240 H3CR-F8N AC100-240	100-240 VAC 100-240 VAC 100-240 VAC	8-pin round 8-pin round 8-pin round	1.2s to 300hr 0.05s to 30hr 0.05s to 30hr	Repeat cycle ON start Repeat cycle OFF start Repeat cycle ON start	121.47 153.56 122.17	115.39 145.89 115.08	109.33 138.20 109.96
<b>Accessories</b>				1	25	50		
653-P2CF-08	P2CF-08	8-pin round socket, bottom surface or track mounting, top screw terminals 8-pin socket, back mounting, for use with Y92F-30, bottom screw terminals 11-pin round socket, bottom surface or track mounting, top screw terminals 11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals Panel mount adapter, ideal for side by side installation, use w/P3G sockets DIN rail, 1m in length DIN rail spacer		9.98	9.67	9.37		
653-P3G-08	P3G-08		7.20	6.74	6.31			
653-P2CF-11	P2CF-11		10.11	9.48	8.87			
653-P3GA-11	P3GA-11		9.34	8.75	8.19			
653-Y92F-30	Y92F-30		9.02	8.33	7.65			
653-PFP-100N	PFP-100N		5.92	5.56	5.28			
653-PFP-M	PFP-M		.62	.61	.57			

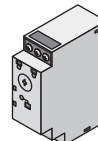
## OMRON H3DE-M/-S SERIES: MULTIFUNCTION AND STANDARD SOLID-STATE TIMER

### Specifications:

- Supply voltage: 24-230VAC/DC
- Control DPDT relay output: 5A @ 250VAC/30VDC
- Mechanical life expectancy: 10 million operations min.
- Electrical life expectancy: 100,000 operations min
- Timing Functions H3DE-M: ON-delay, flicker-OFF start, flicker-ON start, signal ON/OFF-delay, signal OFF-delay, interval, signal ON/OFF-delay, one-shot
- Timing Functions H3DE-S: ON-delay, flicker-ON start, interval, one-shot

### Features:

- Programmable contact enables the building of a self-holding relay circuit in H3DE-x2 models
- Wide AC/DC power supply range minimizes inventory
- Wide time setting range of 0.10 seconds to 120 hours
- High immunity to inverter noise
- Finger protection terminal block



For quantities of 20 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Outputs	Price Each			
			1	5	10	
<b>Multifunction Timers</b>						
653-H3DE-M1	H3DE-M1 AC/DC24-230	SPDT (time-limit output SPDT)	51.25	49.98	48.98	
653-H3DE-M2	H3DE-M2 AC/DC24-230	DPDT (time-limit output SPDT) and switchable SPDT	65.69	60.15	57.20	
<b>Standard Timers</b>						
653-H3DE-S1	H3DE-S1 AC/DC 24-230	SPDT (time-limit output SPDT)	41.61	38.10	36.23	
653-H3DE-S2	H3DE-S2 AC/DC 24-230	DPDT (time-limit output SPDT) and switchable SPDT	47.31	46.14	45.22	
<b>Accessories</b>						
653-PFP-100N	PFP-100N	DIN rail, 1m in length DIN rail spacer	5.92	5.56	5.28	
653-PFP-M	PFP-M		.62	.61	.57	

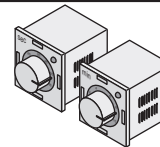
## OMRON H3JA SERIES: ECONOMICAL, COMPACT SOLID-STATE TIMER

### Specifications:

- Time-limit contact: DPDT
- Operation/Resetting system: Time-limit/self-resetting
- Supply voltage: 100-120 VAC
- Power consumption: 3VA (1.3W)

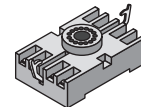
### Features:

- Replaces H3G Series
- Dual LED indication for power and output status
- Large transparent knob
- DIN size 36x36mm fits 8-pin sockets

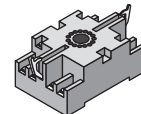


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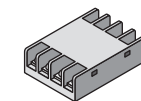
MOUSER STOCK NO.	Omron Part No.	Time Range	Price Each			
			1	5	10	
653-H3JA-8C-10S 653-H3JA-8C-30S	H3JA-8C-AC100-120-10S H3JA-8C-AC100-120-30S	1 to 10 seconds 3 to 30 seconds	51.47 51.47	47.12 47.12	44.82 44.82	
<b>Accessories</b>				1	25	50
653-PF085A	PF085A	8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals 8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals Panel mount adapter, ideal for side by side installation, use w/P3G sockets DIN rail, 1 m in length DIN rail spacer Timer hold down clips, one pair. Supplied with H3G timer.	11.56	10.59	10.06	
653-P3G-08	P3G-08		7.20	6.74	6.31	
653-Y92F-31	Y92F-31		5.47	5.11	4.79	
653-PFP-100N	PFP-100N		5.92	5.56	5.28	
653-PFP-M	PFP-M		.62	.61	.57	
653-Y92H-6	Y92H-6		2.56	2.36	2.15	



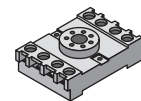
P2CF-08



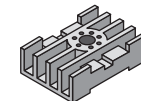
P2CF-11



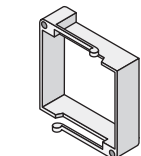
P3G-08, P3FA-11



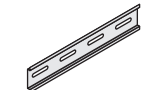
PF083A-E



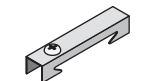
PF085A



Y92F-30, Y92F-31



PFP-100N



PFP-M

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