

OMRON Solid-State Timers

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OMRON

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



MOUSER STOCK NO.	Omron Part No.	Supply Voltage	Maximum Load	Price Each		
				1	5	10
653-H3CA-A	H3CA-A	24 to 240 VAC; 12 to 240 VDC	3 Amps @ 250 VAC	112.00	103.94	94.19
Accessories				1	25	50
653-P2CF-11	P2CF-11	11-pin round socket, bottom surface or track mounting, top screw terminals		8.40	7.80	7.06
653-P3GA-11	P3GA-11	11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		8.40	7.80	7.06
653-Y92F-30	Y92F-30	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets		6.40	5.94	5.38
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer		.69	.63	.56

OMRON H3CR-A SERIES: 1/16 DIN, ANALOG-SET, SOLID-STATE TIMER

Specifications:

- Control output type: DPDT relay
- Supply voltage: 100-240 VAC/24 VAC or 12 VDC or 24 VDC
- Maximum load: 5A @ 250 VAC
- Timing functions for 11-pin round: ON-delay, Repeat cycle, signal ON/OFF delay, signal OFF delay, interval
- Timing Functions for 8-pin round: ON-delay, interval

Features:

- Field selectable time ranges from 0.05 seconds to 300 hours.
- Choose 6- or 2-function models to fit most applications
- Wide range AC supply voltage models (100-240 VAC) fit most applications and reduce spare parts inventories
- Short (80 mm) panel mounting depth with socket allows for more space-efficient control panel design



MOUSER STOCK NO.	Omron Part No.	Output	Terminal Form	Price Each		
				1	5	10
653-H3CRA-AC1	H3CR-A-AC100-240/DC100-125	100-240 VAC	11-pin round	60.00	55.68	50.46
653-H3CRA8-AC1	H3CR-A8-AC100-240/DC100-125	100-240 VAC	8-pin round	60.00	55.68	50.46
653-H3CRA-24	H3CR-A-AC24-48/DC12-48	24 VAC/VDC	11-pin round	60.00	55.68	50.46
Accessories				1	25	50
653-P2CF-08	P2CF-08	8-pin round socket, bottom surface or track mounting, top screw terminals		7.10	6.59	5.97
653-P3G-08	P3G-08	8-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		7.10	6.59	5.97
653-P2CF-11	P2CF-11	11-pin round socket, bottom surface or track mounting, top screw terminals		8.40	7.80	7.06
653-P3GA-11	P3GA-11	11-pin socket, back mounting, for use with Y92F-30, bottom screw terminals		8.40	7.80	7.06
653-Y92F-30	Y92F-30	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets		6.40	5.94	5.38
653-PFP-100N	PFP-100N	DIN rail, 1 m in length		6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer		.69	.63	.56

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

Specifications:

- Supply voltage: 24-230 VAC/DC
- Control DPDT relay output: 5A @ 250 VAC/30 VDC
- 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



Timing Functions H3DE-S: ON-delay, flicker-ON start, interval, one-shot			For quantities of 20 and up, call for quote.		
MOUSER STOCK NO.	Omron Part No.	Outputs	Price Each		
			1	5	10
Multifunction Timers					
653-H3DE-M1	H3DE-M1 AC/DC24-230	DPDT (time-limit) SPDT and switchable SPDT	44.00	40.83	37.00
653-H3DE-M2	H3DE-M2 AC/DC24-230	SPDT (time-limit output SPDT)	54.00	50.11	45.41
Standard Timers					
653-H3DE-S1	H3DE-S1 AC/DC 24-230	DPDT (time-limit) SPDT and switchable SPDT	33.50	31.09	28.17
653-H3DE-S2	H3DE-S2 AC/DC 24-230	SPDT (time-limit output SPDT)	44.00	40.83	37.00
Accessories			1	25	50
653-PFP-100N	PFP-100N	DIN rail, 1 m in length	6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer	.69	.63	.56

OMRON H3G SERIES: LOW-COST PLUG-IN SOLID-STATE TIMER

Specifications:

- Supply voltage: 100/110/120 VAC
- Control output: DPDT relay
- Mechanical life expectancy: 10 million operations min.
- Electrical life expectancy: 100,000 operations min
- Timing functions: ON-delay
- Max. load: 5A @ 125/250 VAC

Features:

- Fits standard 8-pin sockets
- Ideal replacement for time relays
- Subminiature DIN size, 36 x 36 mm
- Timer hold-down clips supplied
- 12 time ranges available, from 0.1 to 3 hours



MOUSER STOCK NO.	Omron Part No.	Time Range	Price Each		
			1	5	10
653-H3G8C-10S	H3G-8C-AC100/110/120-10S	1 to 10 seconds	43.50	40.37	36.58
653-H3G8C-10M	H3G-8C-AC100/110/120-10M	1 to 10 minutes	43.50	40.37	36.58
653-H3G8C-30S	H3G-8C-AC100/110/120-30S	3 to 30 seconds	43.50	40.37	36.58
653-H3G8C-60S	H3G-8C-AC100/110/120-60S	6 to 60 seconds	43.50	40.37	36.58
653-H3G8C-60M	H3G-8C-AC100/110/120-60M	6 to 60 minutes	43.50	40.37	36.58
Accessories			1	25	50
653-PF083A-E	PF083A-E	8-pin socket, bottom or track mount, top screw terminals, standoff ring	4.61	4.10	3.71
653-PF085A	PF085A	8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals	7.10	6.59	5.97
653-P3G-08	P3G-08	8-pin socket, back mounting, for use with Y92F-31, bottom screw terminals	7.10	6.59	5.97
653-Y92F-31	Y92F-31	Panel mount adapter, ideal for side by side installation, use w/ P3G sockets	3.90	3.62	3.28
653-PFP-100N	PFP-100N	DIN rail, 1 m in length	6.36	5.79	5.13
653-PFP-M	PFP-M	DIN rail spacer	.69	.63	.56
653-Y92H-6	Y92H-6	Timer hold down clips, one pair. Supplied with H3G timer.	1.20	1.11	1.01



P2CF-08



P2CF-11



P3G-08
P3FA-11



PF083A-E



PF085A



Y92F-30
Y92F-31



PFP-100N



PFP-M