

Automotive Relays

FUJITSU FTR-G1 SERIES: COMPACT POWER RELAY FOR AUTOMOTIVE APPLICATIONS

Specifications:

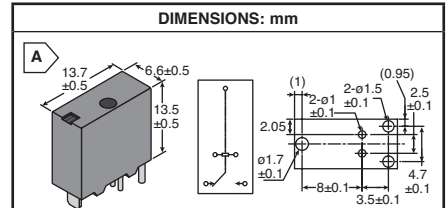
- Compact for high density packaging
- High contact capacity with proven contact material
- Coil power savings
- Ease of PCB layout
- Lower noise (57dB average at 5cm)
- Contact arrangement: 1Form C

Typical Applications:

- Power window
- Door lock
- Sun roof

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance (\pm @ 20°C)	Price Each			
						1	100	500	1000
817-FTR-G1CN012W1	FTR-G1CN012W1	A	12	0.64W	225	2.50	2.12	1.82	1.66



FUJITSU FTR-P6 SERIES: MICRO SURFACE MOUNT RELAY FOR AUTOMOTIVE APPLICATIONS

Specifications:

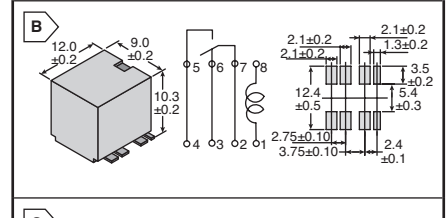
- Surface mount relays
- Miniature size
- High contact capacity with proven contact material
- Coil power savings
- Semi-quiet relay (average acoustic noise level: 60dB distance 5cm)

Typical Applications:

- Power window
- Door lock
- Power seat

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Fig.	Nominal Voltage (VDC)	Nominal Power	Coil Resistance (\pm @ 20°C)	Price Each			
						1	100	500	1000
817-FTR-P6GN012WA	FTR-P6GN012WA	B	12	0.8W	180	3.75	3.19	2.73	2.50



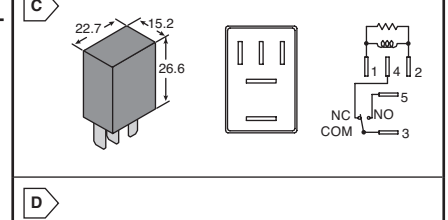
OMRON G8HN SERIES: MICRO ISO AUTOMOTIVE RELAYS

Specifications:

- Max. switching current: 60A (NO), 30A (NC), steady 20A (NO), 10A (NC)
- Coil resistance \pm 20: 110 Ω
- Electrical service life: 100,000 cycles min.
- Contact material: Silver tin oxide (cadmium free)
- Rated voltage: 12VDC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Power Consumption	Price Each			
					1	25	50	100
653-G8HN1C2TRDC12	G8HN-1C2T-R-DC12	C	SPDT	1309mW	4.00	3.71	3.45	3.22



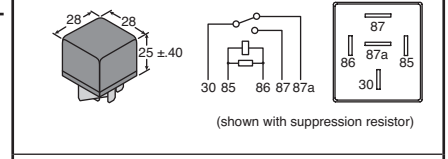
OMRON G8JN SERIES: GENERAL PURPOSE AUTOMOTIVE RELAYS

Specifications:

- Contact form: SPDT
- Standard ISO terminal footprint
- Resistance without suppression resistor: 78 Ω \pm 15%
- Rated voltage: 12VDC
- Max. resistive load: 35A (NO)/20A (NC)
- Max. inrush current (inductive load): 100A (NO)/40A (NC)
- Electrical service life: 100,000 cycles min.

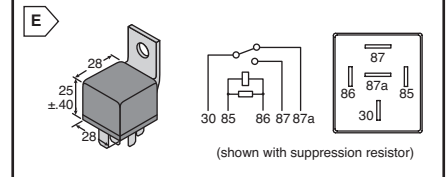
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Resistor	Bracket	Price Each			
					1	25	50	100
653-G8JN1C7TDC12	G8JN-1C7T-DC12	D	----	----	5.68	5.31	4.92	4.85
653-G8JN1C7TMFDC12	G8JN-1C7T-MF-DC12	E	----	Molded plastic	6.92	6.57	6.04	5.50
653-G8JN1C7TRDC12	G8JN-1C7T-R-DC12	D	680 Ω	----	2.99	2.81	2.67	2.52
653-G8JN1C7TMFRDC12	G8JN-1C7T-MF-R-DC12	E	680 Ω	Molded plastic	5.43	5.16	4.66	4.40



Standard Covers

MOUSER STOCK NO.	Omron Part No.	Fig.	Resistor	Bracket	Price Each			
					1	25	50	100
653-G8JN1C6TDC12	G8JN-1C6T-DC12	F	----	----	7.09	6.38	5.66	5.10
653-G8JN1C6TRDC12	G8JN-1C6T-R-DC12	F	680 Ω	----	6.48	5.89	5.40	4.98
653-G8JN1C6TFRDC12	G8JN-1C6T-F-R-DC12	G	680 Ω	Metal	7.14	6.75	6.31	5.55
653-G8JN1C6TFDC12	G8JN-1C6T-F-DC12	G	----	Metal	7.61	6.84	6.08	5.47



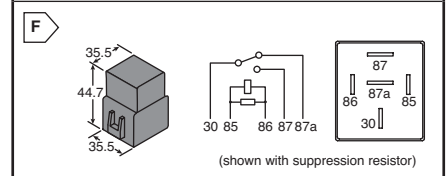
OMRON G8JR SERIES: POWER, MINI ISO AUTOMOTIVE RELAYS

Specifications:

- Contact form: SPST
- Terminals: Plug-in
- Fully automated assembly
- ISO footprint and terminals
- Max. inrush current (inductive load): 100A (NO)/20A break (NC)
- Electrical service life: 100,000 cycles min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Rated Voltage	Coil Resistance \pm 15%	Coil Resistance with 680 Ω	Price Each			
						1	25	50	100
653-G8JR1A7TRDC12	G8JR-1A7T-R-DC12	H	12VDC	71 Ω	64.5 Ω	5.75	5.23	4.79	4.42



OMRON G8W SERIES: PLUG-IN, MINI-280 ISO AUTOMOTIVE RELAYS

Specifications:

- Supplied with suppression resistor 680 Ω
- Resistance without suppression resistor: 91 Ω \pm 15%
- Rated voltage: 12VDC
- Max. resistive load: 35A (NO)/20A (NC)
- Max. inrush current (inductive load): 100A (NO)/20A break (NC)
- Electrical service life: 100,000 cycles min.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Contact Form	Description	Price Each			
					1	25	50	100
653-G8W1A7TRDC12	G8W-1A7T-R-DC12	I	SPST-NO	Standard with resistor	4.95	4.49	3.99	3.59
653-G8W1C7TRDC12	G8W-1C7T-R-DC12	I	SPDT	Standard with resistor	5.09	4.63	4.11	3.69
653-G8W1C6TRDC12	G8W-1C6T-R-DC12	I	SPDT	Weatherproof with resistor	5.53	4.97	4.42	3.98
653-G8W1A6TFRDC12	G8W-1A6T-F-R-DC12	I	SPST-NO	Weatherproof with straight metal bracket with resistor	5.86	5.73	4.99	4.56
653-G8W1C6TFRDC12	G8W-1C6T-F-R-DC12	I	SPDT	Weatherproof with straight metal bracket with resistor	6.99	6.52	5.84	5.38

