

Automotive Relays

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

- 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 of 500 and up, 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				

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

- 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 of 500 and up, 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				

OMRON G8HN SERIES: MICRO ISO AUTOMOTIVE RELAYS

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

For quantities of 500 and up, 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	1309 mW				

OMRON G8JN SERIES: AUTOMOTIVE RELAYS

- 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.

Standard Covers

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Fig.	Suppression Resistor	Bracket	Price Each			
					1	25	50	100
653-G8JN1C7TDC12	G8JN-1C7T-DC12	D	-----	-----				
653-G8JN1C7TFMDC12	G8JN-1C7T-MF-DC12	E	-----	Plastic				
653-G8JN1C7TRDC12	G8JN-1C7T-R-DC12	D	680W	-----				
653-G8JN1C7TFMFRDC12	G8JN-1C7T-MF-R-DC12	E	680W	Plastic				

Weatherproof Covers

MOUSER STOCK NO.	Omron Part No.	Fig.	Suppression Resistor	Bracket	1	25	50	100
653-G8JN1C6TFDC12	G8JN-1C6T-F-DC12	G	-----	Metal				
653-G8JN1C6TRDC12	G8JN-1C6T-R-DC12	F	680W	-----				
653-G8JN1C6TFRDC12	G8JN-1C6T-F-R-DC12	G	680W	Metal				

OMRON G8JR SERIES: POWER MINI ISO AUTOMOTIVE RELAY

- SPST contacts
- Plug-in
- Fully automated assembly
- L x W x H = 28 x 28 x 25.5 mm nominal
- ISO footprint and terminals
- Terminals: Load 9.5 X 1.2 mm, and Coil 6.3 x 0.8 mm

For quantities of 500 and up, call for quote.

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

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

- 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 of 500 and up, 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		SPST-NO	Standard with resistor				
653-G8W1C7TRDC12	G8W-1C7T-R-DC12		SPDT	Standard with resistor				
653-G8W1C6TRDC12	G8W-1C6T-R-DC12		SPDT	Weatherproof with resistor				
653-G8W1A6TRDC12	G8W-1A6T-F-R-DC12		SPST-NO	Weatherproof w/straight metal bracket w/resistor				
653-G8W1C6TFRDC12	G8W-1C6T-F-R-DC12		SPDT	Weatherproof w/straight metal bracket w/resistor				

DIMENSIONS: mm

A Dimensions: 13.7 \pm 0.5, 6.6 \pm 0.5, 13.5 \pm 0.5, 2.05, 2- ϕ 1.5 \pm 0.1, (0.95), 2.5 \pm 0.1, 4.7 \pm 0.1, 3.5 \pm 0.1, 8 \pm 0.1, ϕ 1.7 \pm 0.1

B Dimensions: 12 \pm 0.2, 9 \pm 0.2, 10.3 \pm 0.2, 2.1 \pm 0.2, 2.1 \pm 0.2, 1.3 \pm 0.2, 3.5 \pm 0.2, 12.4 \pm 0.5, 5.4 \pm 0.3, 2.75 \pm 0.10, 3.75 \pm 0.10, 2.4 \pm 0.1

C Dimensions: 22.7, 15.2, 26.6

D Dimensions: 28, 28, 25 \pm 0.4

E Dimensions: 28, 25 \pm 0.4, 28

F Dimensions: 35.5, 44.7, 35.5

G Dimensions: 35.5, 44.7, 60.8, 35.5

H Dimensions: 28, 28, 25.0, 11.0, 14.5, 16.8, 17.9

I Dimensions: 28, 28, 25.5

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