




# F3SJ-A

## Relays with Forcibly Guided Contacts


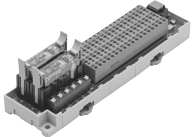
Type	Appearance	Specifications	Model	Remarks
G7SA Relays with Forcibly Guided Contacts		<ul style="list-style-type: none"> <li>Nodes: 4</li> <li>Contact type: 2A2B</li> <li>Rated switch load: 250 VAC 6 A, 30 VDC 6 A</li> </ul>	<b>G7SA-2A2B</b>	For details on other models or socket models, refer to the OMRON's website.
		<ul style="list-style-type: none"> <li>Nodes: 4</li> <li>Contact type: 3NO+1NC</li> <li>Rated switch load: 250 VAC 6 A, 30 VDC 6 A</li> </ul>	<b>G7SA-3A1B</b>	
G7S-□-E Relays with Forcibly Guided Contacts		<ul style="list-style-type: none"> <li>Nodes: 6</li> <li>Contact type: 4NO+2NC</li> <li>Rated switch load: 250 VAC 10 A, 30 VDC 10 A</li> </ul>	<b>G7S-4A2B-E</b>	For details on other models or socket models, refer to the OMRON's website.
		<ul style="list-style-type: none"> <li>Nodes: 6</li> <li>Contact type: 3NO+3NC</li> <li>Rated switch load: 250 VAC 10 A, 30 VDC 10 A</li> </ul>	<b>G7S-3A3B-E</b>	

## Control Unit (Can not be used as a muting system) (Dedicated PNP output type) \*

Appearance	Output	Model	Remarks
	Relay, 3NO+1NC	<b>F3SP-B1P *</b>	For connection with F3SJ-A, use a double-ended cable F39-JD□B.

\* F3SJ for NPN output type cannot be connected.

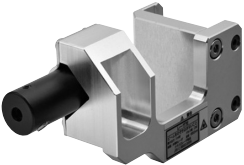
## Wire-saving Devices

Type	Appearance	Specifications	Model	Remarks
Connector Terminal Box/ Muting Terminals		Model with PNP Muting Sensor Output	<b>F39-TC5P01</b>	Significantly reduces amount of wiring between Safety Light Curtains and Muting Sensors. IP67 model for mounting at Sensor installation site. For details, refer to the OMRON's website.
		Model with PNP Override Input	<b>F39-TC5P02</b>	
		Model with NPN Muting Sensor Output	<b>F39-TC5N01</b>	
		Model with NPN Override Input	<b>F39-TC5N02</b>	
Safety Terminal Relays		PNP output relay, SPDT-NO	<b>F3SP-T01 *</b>	Significantly reduces amount of wiring between Safety Light Curtains and Muting Sensors. For details, refer to the OMRON's website.


\* F3SJ for NPN output type cannot be connected.

**Note:** Orders for F39-TC5 Series and F3SP-T01 have been discontinued at the end of May 2020.

## Laser Pointer


Appearance	Output	Model
	Laser Pointer for F3SJ	<b>F39-PTJ</b>

**Dedicated External Indicator Set (can be connected to either an emitter or a receiver)**

Appearance	Color	Model	Remarks
	Red	<b>F39-A01PR-PAC</b>	Indicator (red), mounting bracket 1 set, and dedicated connection cable (0.1 m)
	Green	<b>F39-A01PG-PAC</b>	Indicator (green), mounting bracket 1 set, and dedicated connection cable (0.1 m)
	Yellow	<b>F39-A01PY-PAC</b>	Indicator (yellow), mounting bracket 1 set, and dedicated connection cable (0.1 m)

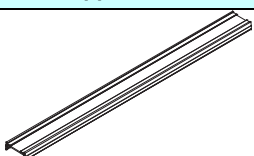
**Note:** 1. For indication timing (operation mode), see "Specifications" on page 9.  
 2. This product is for F3SJ-A only.

**General External Indicator Cable**

Appearance	Cable Length	Specifications	Model
	3 m	Cable to connect top of the main unit and an off-the-shelf external indicator (2-wire)	<b>F39-JJ3N *</b>

\* This product is for F3SJ-A only.


**Spatter Protection Cover (2 cables per set, one for emitter and one for receiver) (10% Operating Range Attenuation)**

Appearance	Model
	<b>F39-HJ□□□□</b> *1 *2

\*1. This product is for F3SJ-A only.

\*2. The same 4-digit numbers as the protective heights (□□□□ in the light curtain model names) are substituted by in the model names.

**Mirrors (12% Operating Range Attenuation)**

Appearance	Mirror material	Width (mm)	Thickness (mm)	Length L (mm)	Model	Remarks
	Glass mirror	145	32	445	<b>F39-MLG0406</b>	2 sets of cylinder mounting brackets and 4 screws are included.
				648	<b>F39-MLG0610</b>	
				749	<b>F39-MLG0711</b>	
				953	<b>F39-MLG0914</b>	
				1,105	<b>F39-MLG1067</b>	
				1,257	<b>F39-MLG1219</b>	
				1,499	<b>F39-MLG1422</b>	
				1,702	<b>F39-MLG1626</b>	
				1,905	<b>F39-MLG1830</b>	
				2,210	<b>F39-MLG2134</b>	

**Test rod (Sold separately)**

Diameter	Model
14mm dia.	<b>F39-TRD14</b>
20mm dia.	<b>F39-TRD20</b>
25mm dia.	<b>F39-TRD25</b>
30mm dia.	<b>F39-TRD30</b>

# F3SJ-A

## Sensor Mounting Brackets (Sold separately)

Appearance	Specifications	Model	Application	Remarks
	Standard mounting bracket (for top/bottom)	F39-LJ1	(provided with the F3SJ)	2 for an emitter, 2 for a receiver, total of 4 per set
	Flat side mounting bracket	F39-LJ2	Use these small-sized brackets when performing side mounting with standard mounting brackets, so that they do not protrude from the detection surface.	2 for an emitter, 2 for a receiver, total of 4 per set
	Free-location mounting bracket (also used as standard intermediate bracket)	F39-LJ3	Use these brackets for mounting on any place without using standard bracket.	Two brackets per set (For details about the number of required brackets, refer to page 89.)
	F3SN Intermediate Bracket Replacement Spacers	F39-LJ3-SN	When replacing the F3SN with the F3SJ, the mounting hole pitches in the Intermediate Brackets are not the same. This Spacer is placed between the mounting holes to mount the F3SJ.	1 set with 2 pieces
	Top/bottom bracket B (Mounting hole pitch 19 mm)	F39-LJ4	Mounting bracket used when replacing existing area sensors (other than F3SN or F3WN) with the F3SJ. For front mounting. Suitable for mounting hole pitch of 18 to 20 mm.	2 for an emitter, 2 for a receiver, total of 4 per set
	Bracket for replacing short-length F3SN	F39-LJ5	Mounting bracket used when an F3SN with protective height of 300 mm or less is replaced by an F3SJ.	2 for an emitter, 2 for a receiver, total of 4 per set
	Space-saving mounting bracket	F39-LJ8	Use these brackets to mount facing inward. Length is 12 mm shorter than the standard F39-LJ1 bracket.	2 for an emitter, 2 for a receiver, total of 4 per set
	Mounting bracket used when replacing an F3W-C.	F39-LJ9	Mounting bracket used when replacing existing F3W-C series area sensors with the F3SJ. For front mounting or side mounting. Mounting hole pitch 16 mm.	2 for an emitter, 2 for a receiver, total of 4 per set
	Top/bottom bracket C (mounting hole pitch 13 mm)	F39-LJ11	Mounting bracket used when replacing existing area sensors having a mounting pitch of 13 mm with the F3SJ.	2 for an emitter, 2 for a receiver, total of 4 per set

## End Cap

Appearance	Model	Remarks
	F39-CN9	For both emitter and receiver. * The End Cap can be purchased if lost. (Case: Black)

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## Key Cap for Muting

Appearance	Model	Remarks
	F39-CN6	A cap to be attached to the main unit to enable muting function. * Attach it to either an emitter or a receiver. (Case: orange)

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