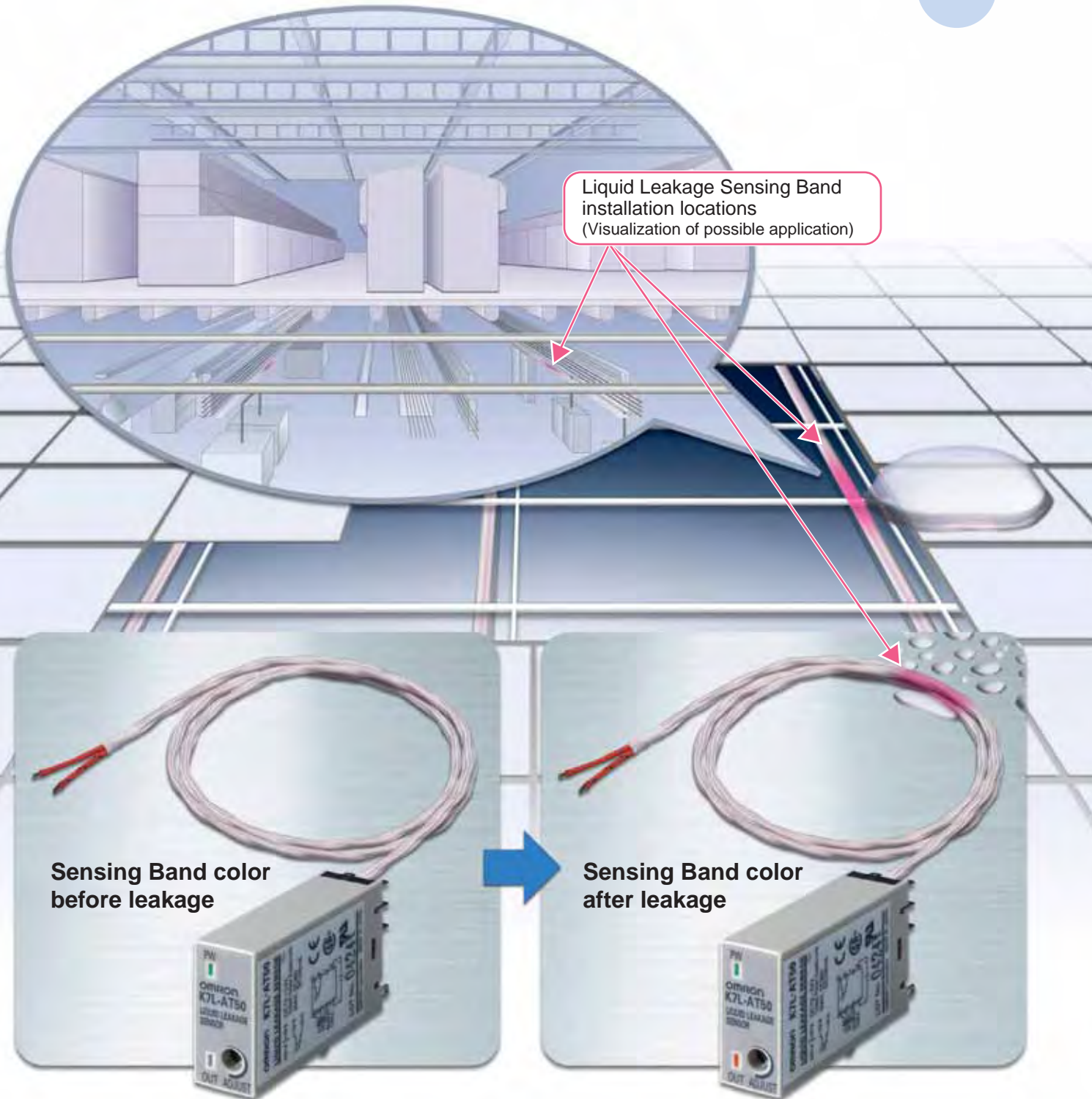


Liquid Leakage Sensing Band

F03-16SF

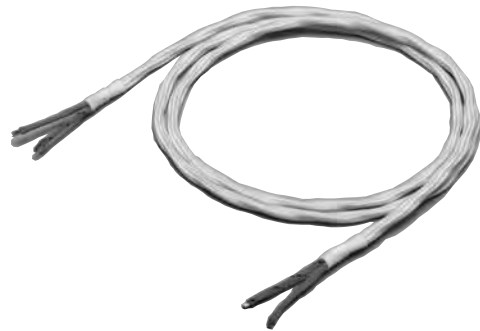
Debut of New Liquid Leakage Sensing Band



Liquid Leakage Sensing Band

F03-16SF

- Greater flexibility and superior workability compared with the F03-16PE.
- The sheath becomes transparent to reveal the red inner sheath if liquid leakage occurs, thereby enabling visual confirmation. After drying, the Sensing Band color will return to white. (F03-16SFC only)

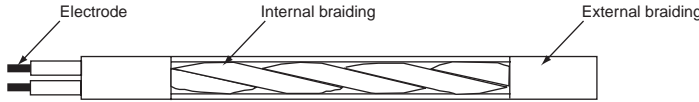
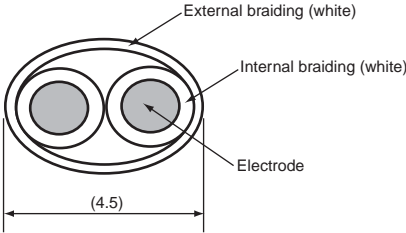
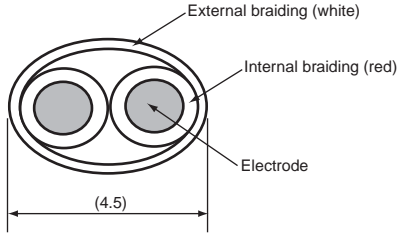


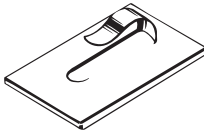
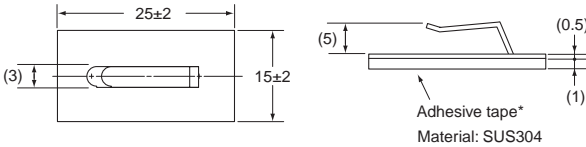
Ordering Information

| Name | Model | Length | Name | Model | Length |
|--|---------------|--------|---|----------------|--------|
| Liquid Leakage Sensing Band (without color indication) | F03-16SF-5M | 5 m | Liquid Leakage Sensing Band (with color indication) | F03-16SFC-5M | 5 m |
| | F03-16SF-10M | 10 m | | F03-16SFC-10M | 10 m |
| | F03-16SF-15M | 15 m | | F03-16SFC-15M | 15 m |
| | F03-16SF-20M | 20 m | | F03-16SFC-20M | 20 m |
| | F03-16SF-30M | 30 m | | F03-16SFC-30M | 30 m |
| | F03-16SF-40M | 40 m | | F03-16SFC-40M | 40 m |
| | F03-16SF-50M | 50 m | | F03-16SFC-50M | 50 m |
| | F03-16SF-60M | 60 m | | F03-16SFC-60M | 60 m |
| | F03-16SF-70M | 70 m | | F03-16SFC-70M | 70 m |
| | F03-16SF-80M | 80 m | | F03-16SFC-80M | 80 m |
| | F03-16SF-90M | 90 m | | F03-16SFC-90M | 90 m |
| | F03-16SF-100M | 100 m | | F03-16SFC-100M | 100 m |

Specifications

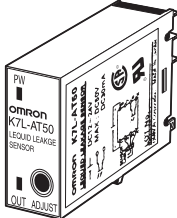
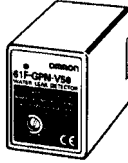
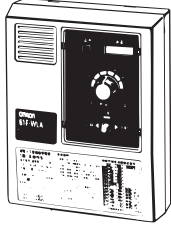
| | |
|--------------------------------------|--|
| Sheath | Special plastic fiber braided cable with water-absorbent and water-repellent characteristics |
| Core | Tin-plated, copper-stranded wire |
| Ambient operating temperature | –15 to 60°C |
| Fire retardancy | Not fire retardant |
| Weight | Approximately 20 g (1 m) |

| | F03-16SF | F03-16SFC |
|------------|--|--|
| Appearance |  | |
| Structure |  |  |

| | F03-25 |
|------------|--|
| Appearance |  |
| Structure |  |

Liquid Leakage Sensor Amplifier

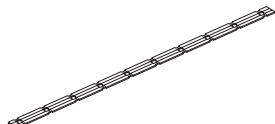


Stable Detection of Liquid Leakage. Three Models Are Available

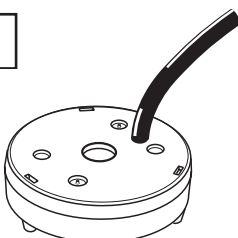
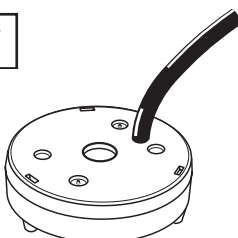
| Item | | K7L-AT50/-AT50D (See note 1.) | 61F-GPN-V50 (See note 2.) | 61F-WLA (See note 2.) |
|----------------------------------|------------------|---|--|---|
| Output form | Relay | No | Yes | No |
| | Relay and buzzer | No | No | Yes |
| | Transistor | Yes | No | No |
| Operation resistance | | 0 to 50 MΩ | 0 to 50 kΩ | 0 to 50 kΩ |
| Disconnection detection function | | Yes | No | No |
| Noise canceller function | | Yes | No | No |
| IV Cable | | 10 m max. | 100 m max. | |
| F03-16SF/-SFC | | 10 m max. | 100 m max. | |
| Dimensions | | 28.8 × 12.8 × 46.0 | 49.4 × 38.0 × 70 | 140 × 118 × 50 |
| Mounting method | | Socket | Socket | Screw mounting |
| External appearance | |  |  |  |

Note: 1. For details, refer to *Liquid Leakage Amplifier K7L-AT50* (Cat. No. F049).
2. For details, refer to *Floatless Level Controller* (Cat. No. F030).

Select the Optimum Sensor for the Applications from a Range of Industry-leading Products (See Note.)

Note: Results of OMRON survey.

| Feature | Standard model | Higher resistance to force and condensation than the standard model | Higher resistance to temperature and chemicals than the standard model |
|------------------------------------|---|--|---|
| Model | F03-16PE | F03-15 | F03-16PT |
| Material of current-carrying parts | SUS316 | SUS304 | SUS316 |
| Material of insulated parts | Polyethylene | PVC | Fluoroplastic |
| Ambient operating temperature | -10 to 55°C | -10 to 55°C | -50 to 200°C |
| External appearance |  |  |  |

| Feature | Point Sensor that wipes clean easily. Stud screw mounting requires no tools for installation. | Wipes clean easily and fluoroplastic coating on the electrode ensures chemical resistance. |
|------------------------------------|--|---|
| Model | F03-16PS | F03-16PS-F |
| Material of current-carrying parts | SUS304 | SUS304+ fluoroplastic coating |
| Material of insulated parts | Polyethylene | Polyethylene |
| Ambient operating temperature | -10 to 60°C | -10 to 60°C |
| External appearance | <div>NEW</div>  | <div>NEW</div>  |

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. F072-E1-01A In the interest of product improvement, specifications are subject to change without notice.

OMRON Corporation

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Industrial Devices and Components Division H.Q.

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