

To All Customers

Rep No. C22004

July 26, 2023

Fuji Electric FA Components
& Systems Co., Ltd.

G-TWIN Series MCCBs and ELCBs

Notification regarding Discontinuation of Special UL508 Certified Products



We would like to thank you for your continued patronage of Fuji products.
We will be discontinuing some products as described below.
Please review the following information and take appropriate actions.
Please also inform all related sections of your company of this production discontinuation.



| | |
|----------------------------|---|
| Product name | Molded case circuit breakers (MCCBs) and earth leakage circuit breakers (ELCBs) |
| Series name | G-TWIN Series |
| Types | 1) BW○○■AG-0A455 2) EW○○■AG-0A455 ○○: Digits indicating 32 to 100 AF ■: Letter indicating breaking capacity A, E, S, or R |
| Reason for discontinuation | Due to limited demand, it has become difficult to provide a reasonable and stable supply. |
| Alternatives | G-TWIN Series UL certified products 1) BW50RAGU, BW100EAGU 2) EW50RAGU, EW100EAGU |
| Date of discontinuation | End of November 2022 |
| Attachments | Attachment 1: Alternative Product Comparison |
| Last order date | End of August 2022 |
| Maintenance parts | Maintenance parts are not available. |
| Others | |

Attachments




Alternative Product Comparison for G-TWIN Series 0A455 Special UL508 Certified Products

<Molded case circuit breakers>




| Products | Discontinued products | | | | | | | | | | | | Alternative products | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----|----------------------|-----|---------------------------|-----|---------------------------|-----|---------------------------|-----|------------------------|-----|---|-----|--|------------|--|--|--|--|--|--|--|--|--|--|--|--------------|--|----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------|----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|-----|-----|---|----|----|----|----|----|----|----|----|----|----|---------------------------|----|----|----|----|----|---|----|----|----|----|----|----|----|----|--------------|-------|----|----|----|----|----|----|--|--|--|--|--|-------|--|
| Product photos <small>*Photos are representative and may differ depending on the type.</small> |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basic type | BW32AAG-0A455 | | BW32SAG-0A455 | | BW50AAG-0A455 | | BW50EAG-0A455 | | BW50SAG-0A455 | | BW50RAG-0A455 | | BW50RAGU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. of poles | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated insulation voltage (UI) | 500 VAC | | 690 VAC/250 VDC | | 500 VAC | | 690 VAC/250 VDC | | 690 VAC/250 VDC | | 690 VAC/250 VDC | | 690 VAC/250 VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (A) | 3, 5, 10, 15, 20, 30 | | 3, 5, 10, 15, 20, 30 | | 5, 10, 15, 20, 30, 40, 50 | | 5, 10, 15, 20, 30, 40, 50 | | 5, 10, 15, 20, 30, 40, 50 | | 10, 15, 20, 30, 40, 50 | | 3, 5, 10, 15, 20, 30, 32, 40, 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated frequency (Hz) | 50-60 | | 50-60 | | 50-60 | | 50-60 | | 50-60 | | 50-60 | | 50-60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated breaking capacity Icu/Ics (KA) IEC60947-2 | 440/415/400/380 VAC | | 1.5/1 | | 2.5/2 | | 1.5/1 | | 2.5/2 | | 7.5/4 | | 10/5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated breaking capacity Icu (KA) UL489 | 230 VAC | | 2.5/2 | | 5/3 | | 2.5/2 | | 5/3 | | 10/5 | | 25/13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated breaking capacity Icu (KA) UL508 | 240 VAC | | - | | - | | - | | - | | - | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Protected areas | Motor only | | | | | | | | | | | | Overall load | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | 50 | 75 | 50 | 75 | 50 | 75 | 50 | 75 | 50 | 75 | 50 | 75 | 50 | 75 | 50 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 120 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mass (kg) | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.5 | 0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Applicable standards | <table border="1"> <thead> <tr> <th>Electrical Appliance and Material Safety Act PSE</th> <th colspan="12">Motor only</th> <th colspan="2">Overall load</th> </tr> </thead> <tbody> <tr> <td>JIS C 8201-2-1</td> <td colspan="12">-</td> <td colspan="2">○</td> </tr> <tr> <td>IEC60947-2</td> <td colspan="12">-</td> <td colspan="2">○</td> </tr> <tr> <td>EN60947-2 (CE mark)</td> <td colspan="12">-</td> <td colspan="2">○</td> </tr> <tr> <td>GB14048.2 (CCC certified)</td> <td colspan="12">-</td> <td colspan="2">○</td> </tr> <tr> <td>UL certified</td> <td colspan="12">UL508</td> <td colspan="2">UL489</td> </tr> </tbody> </table> | | | | | | | | | | | | | | Electrical Appliance and Material Safety Act PSE | Motor only | | | | | | | | | | | | Overall load | | JIS C 8201-2-1 | - | | | | | | | | | | | | ○ | | IEC60947-2 | - | | | | | | | | | | | | ○ | | EN60947-2 (CE mark) | - | | | | | | | | | | | | ○ | | GB14048.2 (CCC certified) | - | | | | | | | | | | | | ○ | | UL certified | UL508 | | | | | | | | | | | | UL489 | |
| Electrical Appliance and Material Safety Act PSE | Motor only | | | | | | | | | | | | Overall load | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JIS C 8201-2-1 | - | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEC60947-2 | - | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EN60947-2 (CE mark) | - | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GB14048.2 (CCC certified) | - | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UL certified | UL508 | | | | | | | | | | | | UL489 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Products | Discontinued products | | | | | | | | | | | | Alternative products | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-----|-----------------|-----|-----------------|-----|----------------|-----|-----------------|-----|-----------------------------|-----|---|-----|--|------------|--|--|--|--|--|--|--|--|--|--|--|--------------|--|----------------|----|----|----|----|----|----|---|----|----|----|----|----|----|----|------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------------|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|---------------------------|----|----|---|----|----|----|----|----|----|----|----|----|----|----|--------------|-------|----|----|--|--|--|--|--|--|--|--|--|-------|--|
| Product photos <small>*Photos are representative and may differ depending on the type.</small> |  | | | | | | | | | | | |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basic type | BW63EAG-0A455 | | BW63SAG-0A455 | | BW63RAG-0A455 | | BW100AAG-0A455 | | BW100EAG-0A455 | | BW100EAGU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. of poles | 2 | 3 | 2 | 3 | 2 | 3 | 3 | | 2 | 3 | 2 | 3 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated insulation voltage (UI) | 690 VAC/250 VDC | | 690 VAC/250 VDC | | 690 VAC/250 VDC | | 500 VAC | | 690 VAC/250 VDC | | 690 VAC/250 VDC | | 690 VAC/250 VDC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated current (A) | 60 | | 60 | | 60 | | 60, 75, 100 | | 50, 60, 75, 100 | | 60, 63, 70, 75, 80, 90, 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated frequency (Hz) | 50-60 | | 50-60 | | 50-60 | | 50-60 | | 50-60 | | 50-60 | | 50-60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated breaking capacity Icu/Ics (KA) IEC60947-2 | 440/415/400/380 VAC | | 2.5/2 | | 7.5/4 | | 10/5 | | 1.5/1 | | 7.5/4 | | 10/5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated breaking capacity Icu (KA) UL489 | 230 VAC | | 5/3 | | 10/5 | | 25/13 | | 2.5/2 | | 10/5 | | 25/13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rated breaking capacity Icu (KA) UL508 | 240 VAC | | - | | - | | - | | - | | - | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Protected areas | Motor only | | | | | | | | | | | | Overall load | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a | 50 | 75 | 50 | 75 | 50 | 75 | 7 | 50 | 75 | 50 | 75 | 50 | 75 | 50 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 120 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mass (kg) | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.4 | 0.5 | 0.5 | 0.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Applicable standards | <table border="1"> <thead> <tr> <th>Electrical Appliance and Material Safety Act PSE</th> <th colspan="12">Motor only</th> <th colspan="2">Overall load</th> </tr> </thead> <tbody> <tr> <td>JIS C 8201-2-1</td> <td colspan="12">○</td> <td colspan="2">○</td> </tr> <tr> <td>IEC60947-2</td> <td colspan="12">-</td> <td colspan="2">○</td> </tr> <tr> <td>EN60947-2 (CE mark)</td> <td colspan="12">-</td> <td colspan="2">○</td> </tr> <tr> <td>GB14048.2 (CCC certified)</td> <td colspan="12">-</td> <td colspan="2">○</td> </tr> <tr> <td>UL certified</td> <td colspan="12">UL508</td> <td colspan="2">UL489</td> </tr> </tbody> </table> | | | | | | | | | | | | | | Electrical Appliance and Material Safety Act PSE | Motor only | | | | | | | | | | | | Overall load | | JIS C 8201-2-1 | ○ | | | | | | | | | | | | ○ | | IEC60947-2 | - | | | | | | | | | | | | ○ | | EN60947-2 (CE mark) | - | | | | | | | | | | | | ○ | | GB14048.2 (CCC certified) | - | | | | | | | | | | | | ○ | | UL certified | UL508 | | | | | | | | | | | | UL489 | |
| Electrical Appliance and Material Safety Act PSE | Motor only | | | | | | | | | | | | Overall load | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JIS C 8201-2-1 | ○ | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| IEC60947-2 | - | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EN60947-2 (CE mark) | - | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GB14048.2 (CCC certified) | - | | | | | | | | | | | | ○ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UL certified | UL508 | | | | | | | | | | | | UL489 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

<Earth leakage circuit breakers>

| Products | | Discontinued products | | | | | | | | Alternative products | |
|---|--|---|-------------------|-------------------|---------------------------|---------------------------|---------------------------|------------------------|----------------------------------|---|--|
| Product photos <small>*Photos are representative and may differ depending on the type.</small> | |  | | | | | | | |  | |
| Basic type | | EW32AAG-0A455 | EW32EAG-0A455 | EW32SAG-0A455 | EW50AAG-0A455 | EW50EAG-0A455 | EW50SAG-0A455 | EW50RAG-0A455 | EW50RAGU | | |
| No. of poles | | 2 3 | 3 | 3 | 2 3 | 3 | 3 | 3 | 3 | | |
| Rated operational voltage (V) | | 100-230 AC | 100-440 AC | 100-440 AC | 500 VAC | 100-440 AC | 100-440 AC | 100-440 AC | 100-440 AC | | |
| Rated current (A) | | 5, 10, 15, 20, 30 | 5, 10, 15, 20, 30 | 5, 10, 15, 20, 30 | 5, 10, 15, 20, 30, 40, 50 | 5, 10, 15, 20, 30, 40, 50 | 5, 10, 15, 20, 30, 40, 50 | 10, 15, 20, 30, 40, 50 | 3, 5, 10, 15, 20, 30, 32, 40, 50 | | |
| Rated frequency (Hz) | | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | | |
| Sensitive current (mA) | | 15, 30, 100 | 15, 30, 100 | 30, 100/200/500 | 15, 30, 100 | 15, 30, 100/200 | 30, 100/200 | 30, 100/200 | 30, 50 Note (1), 100/200/500 | | |
| Rated breaking capacity Icu/Ics (KA) IEC60947-2 | 440/415/400/380 VAC | - | 1.5/1 | 2.5/2 | - | 2.5/2 | 7.5/4 | 10/5 | 10/5 | | |
| | 230 VAC | 2.5/2 | 5/3 | 5/3 | 2.5/2 | 5/3 | 10/5 | 25/13 | 25/13 | | |
| Rated breaking capacity Icu (KA) UL489 | 100 VAC | 2.5/2 | 5/3 | 5/3 | 2.5/2 | 5/3 | 10/5 | 25/13 | 25/13 | | |
| | 240 VAC | - | - | - | - | - | - | - | 14 | | |
| Protected areas | | Motor only | | | | | | | | Overall load | |
| Dimensions  | a | 50 | 75 | 75 | 75 | 50 | 75 | 75 | 75 | 75 | |
| | b | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 120 | |
| | c | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | |
| | d | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | |
| Mass (kg) | | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 | 0.6 | |
| Applicable standards | Electrical Appliance and Material Safety Act PSE | | | | | | | | | O | |
| | JIS C 8201-2-1 | | | | | | | | | - | |
| | IEC60947-2 | | | | | | | | | O | |
| | EN60947-2 (CE mark) | | | | | | | | | O | |
| | GB14048.2 (CCC certified) | | | | | | | | | O | |
| | UL certified | UL508 | | | | | | | | UL489 | |

Note (1): The 50 mA sensitivity has not been certified by the Electrical Appliance and Material Safety Act. Therefore, it cannot be used in Japan.

| Products | | Discontinued products | | | | | | | | Alternative products | |
|---|--|---|-----------------|-----------------|----------------|----------------|-----------------|------------------------------|-----|---|--|
| Product photos <small>*Photos are representative and may differ depending on the type.</small> | |  | | | | | | | |  | |
| Basic type | | EW63EAG-0A455 | EW63SAG-0A455 | EW63RAG-0A455 | EW100AAG-0A455 | EW100EAG-0A455 | EW100EAGU | | | | |
| No. of poles | | 3 | 3 | 3 | 3 | 3 | 2 3 | 2 3 | | | |
| Rated operational voltage (V) | | 100-440 AC | 100-440 AC | 100-440 AC | 100-230 AC | 100-230 AC | 100-440 AC | 690 VAC/250 VDC | | | |
| Rated current (A) | | 60 | 60 | 60 | 60, 75, 100 | 50 | 60, 75, 100 | 60, 63, 70, 75, 80, 90, 100 | | | |
| Rated frequency (Hz) | | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | 50-60 | | | |
| Sensitive current (mA) | | 15, 30, 100/200 | 30, 100/200/500 | 30, 100/200/500 | 30, 100/200 | 30, 100/200 | 30, 100/200/500 | 30, 50 Note (1), 100/200/500 | | | |
| Rated breaking capacity Icu/Ics (KA) IEC60947-2 | 440/415/400/380 VAC | 2.5/2 | 7.5/4 | 10/5 | - | - | 10/5 | 10/5 | | | |
| | 230 VAC | 5/3 | 10/5 | 25/13 | 5/3 | 10/5 | 25/13 | 25/13 | | | |
| Rated breaking capacity Icu (KA) UL489 | 100 VAC | 5/3 | 10/5 | 25/13 | 5/3 | 10/5 | 25/13 | 25/13 | | | |
| | 240 VAC | - | - | - | - | - | - | 14 | | | |
| Protected areas | | Motor only | | | | | | | | Overall load | |
| Dimensions  | a | 75 | 75 | 75 | 7 | 50 | 75 | 50 | 75 | | |
| | b | 100 | 100 | 100 | 100 | 100 | 100 | 120 | | | |
| | c | 60 | 60 | 60 | 60 | 60 | 60 | 60 | | | |
| | d | 84 | 84 | 84 | 84 | 84 | 84 | 84 | | | |
| Mass (kg) | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.4 | 0.5 | 0.6 | | |
| Applicable standards | Electrical Appliance and Material Safety Act PSE | | | | | | | | | O | |
| | JIS C 8201-2-1 | | | | | | | | | - | |
| | IEC60947-2 | | | | | | | | | O | |
| | EN60947-2 (CE mark) | | | | | | | | | O | |
| | GB14048.2 (CCC certified) | | | | | | | | | O | |
| | UL certified | UL508 | | | | | | | | UL489 | |

Note (1): The 50 mA sensitivity has not been certified by the Electrical Appliance and Material Safety Act. Therefore, it cannot be used in Japan.

■ Example of control panel electrical circuit configuration and breaker application for North American industrial-use machinery and equipment

[UL508A (Industrial-use control panel) requirements]

- (1) Comply with NFPA70(NEC), NFPA79 and applicable UL standard requirements
- (2) Protection device arrangement
 - Install a main circuit branch circuit protection (BCP) device at the electrical inlet
 - Protection devices for load circuits used in the following BCP branch circuits shall be UL508 device certified for various load applications and configured under appropriate load conditions.



● The Fuji “SA/EA-UL & SG/EG-UL Series (UL489 Listed certified)” and “α-TWIN Series (UL508 Listed certified)” combination (UL508/Group Installation certified) must meet the requirements (UL508A) of industrial-use control panels for North America!

C8

Interconnected device UL489 certified FAB/ELB

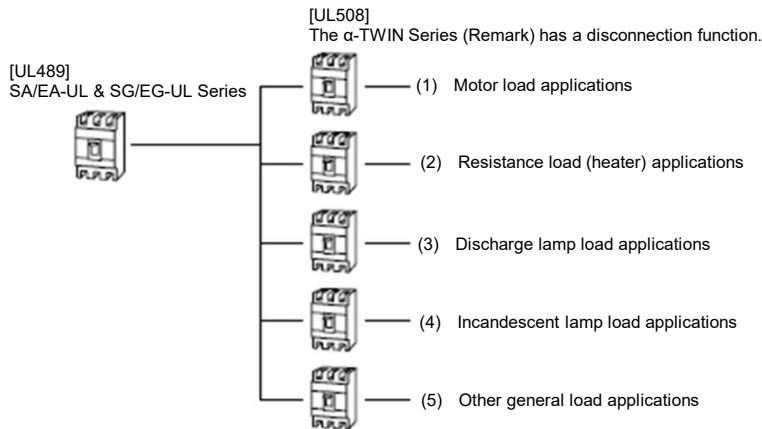
● Application of the “SA/EA-UL & SG/EG-UL Series” and “α-TWIN Series” (Group Installation)

(1) If the UL489 certified “SA/EA-UL & SG/EG-UL Series” is installed at the electrical inlet (host side) and the circuit is configured to comply with one of the following conditions (a-c), the α-TWIN Series can be used as a client-side multi-circuit protection device. (According to NEC430.53).

- a. The “SA/EA-UL & SG/EG-UL Series” and “α-TWIN Series” use wires with the same conduction capacity.
- b. The wiring length between the “SA/EA-UL & SG/EG-UL Series” and “α-TWIN Series” is within 7.5 m (25 feet), and the wire conduction capacity of the “α-TWIN Series” is more than 1/3 of that of the “SA/EA-UL & SG/EG-UL Series” .
- c. The wiring length between the “SA/EA-UL & SG/EG-UL Series” and “α-TWIN Series” is within 3 m (10 feet), and the wire conduction capacity of the “α-TWIN Series” is more than 1/10 of that of the “SA/EA-UL & SG/EG-UL Series” .

(2) The “α-TWIN Series” is a UL508 certified Group Installation product.

【 NEC430.53 Group Installation 】



(3) Refer to the table on the next page to select applications for each.