

Earth Leakage Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Standard Series

| Ampere frame | | | 50A | | | | | | | | |
|---|---|-------|-------------------------------|-------|-------------------------------|---------|-------------------------------|-------|--|-------|--|
| Type | | | EW50AAG | | EW50EAG | EW50SAG | EW50RAG | | | | |
| Pole | | | 2 | 3 | 3 | 3 | 3 | | | | |
| Rated current | Reference amb. temp. (40°C) | In(A) | 5, 10, 15, 20, 30, 32, 40, 50 | | 5, 10, 15, 20, 30, 32, 40, 50 | | 5, 10, 15, 20, 30, 32, 40, 50 | | | | |
| Rated impulse withstand voltage | | | Uimp(kV) | | 2.5 | 4 | 6 | 6 | | | |
| Isolation compliant | | | ○ | | ○ | ○ | ○ | | | | |
| Rated voltage Ue (AC V) | | | 100-230 | | 100-230-440 | | 100-230-440 | | | | |
| Rated sensitive current (mA) | | | 15, 30, 100 | | 15, 30, 100/200 changeover | | 30, 100/200/500 changeover | | | | |
| Tripping time (s) | | | 0.1 or less | | 0.1 or less | | 0.1 or less | | | | |
| Rated breaking capacity Icu/Ics (kA) | IEC 60947-2 EN 60947-2 JIS C 8201-2-2 | AC | 440V | - | | 2.5/2 | | 7.5/4 | | | |
| | | | 415V | - | | 2.5/2 | | 7.5/4 | | | |
| | | | 400V | - | | 2.5/2 | | 7.5/4 | | | |
| | | | 380V | - | | 2.5/2 | | 7.5/4 | | | |
| | | | 230V | 2.5/2 | | 5/3 | | 10/5 | | | |
| | | | 200V | 2.5/2 | | 5/3 | | 10/5 | | | |
| | | | 100V | 2.5/2 | | 5/3 | | 10/5 | | | |
| | | | GB14048.2 | AC | 400V | - | | 2.5/2 | | 7.5/4 | |
| | | | | | 230V | 2.5/2 | | 5/3 | | 10/5 | |
| Standard certified | CE Marking certified (TÜV) | | ○ | | ○ | ○ | ○ | | | | |
| | CCC approved | | ○ | | ○ | ○ | ○ | | | | |
| | Electrical Appliance and Material Safety Law *1 | | ○ | | ○ | ○ | ○ | | | | |
| Dimensions (mm) | | | | a | 50 | 75 | 75 | 75 | | | |
| | | | | b | 100 | | 100 | 100 | | | |
| | | | | c | 60 | | 60 | 60 | | | |
| | | | | d | 84 | | 84 | 84 | | | |
| Mass (kg) | | | 0.4 | 0.6 | 0.6 | 0.6 | 0.6 | | | | |
| Tripping device | | | Hydraulic-magnetic | | | | | | | | |
| Front mounting, front connection | | | No-mark | ○ | ○ | ○ | ○ | | | | |
| Front mounting, rear connection | | | X | ○ | ○ | ○ | ○ | | | | |
| Flush mounting, front connection | | | E | ○ | ○ | ○ | ○ | | | | |
| Flush mounting, top & bottom connection | | | Y | ○ | ○ | ○ | ○ | | | | |
| Plug-in mounting | | | P | ○ | ○ | ○ | ○ | | | | |
| IEC 35mm wide rail mounting | | | No-mark | ○ | ○ | ○ | ○ | | | | |
| Internal accessories | | | Page 07/57 | | | | | | | | |
| Alarm switch | | | K | ○ | ○ | ○ | ○ | | | | |
| Auxiliary switch | | | W | ○ | ○ | ○ | ○ | | | | |
| Undervoltage trip | | | R | ○ | ○ | ○ | ○ | | | | |
| Shunt trip | | | F | ○ | ○ | ○ | ○ | | | | |
| Earth alarm switch | | | L | - | - | - | - | | | | |
| External accessories | | | Page 07/60 | | | | | | | | |
| Handle padlocking device Cap type | | | QN | ○ | ○ | ○ | ○ | | | | |
| Handle padlocking device Plate type | | | Q2 | ▲ | ▲ | ▲ | ▲ | | | | |
| Operating handle N-type | | | N | ○ | ○ | ○ | ○ | | | | |
| Operating handle V-type | | | V | ○ | ○ | ○ | ○ | | | | |
| Terminal cover Short | | | BTCS | ○ | ○ | ○ | ○ | | | | |
| Terminal cover Long | | | BTCL | ○ | ○ | ○ | ○ | | | | |
| Insulation barrier Interphase*2 | | | BP | ○ | ○ | ○ | ○ | | | | |
| Earth | | | BL | ○ | ○ | ○ | ○ | | | | |
| Handle locking cover | | | L1 | ○ | ○ | ○ | ○ | | | | |
| Flat terminal | | | SS | ○ | ○ | ○ | ○ | | | | |
| Block terminal | | | SL | - | - | - | - | | | | |

○: Approved -: Not approved ▲: Factory-mounted accessory
 Note: *1 Electrical Appliance and Material Safety Law of Japan
 *2 Interphase insulation barriers are standard provided for the front mounting type breakers of 50AF and over. Except for EW50AAG

| Rated voltage (V) | Operational voltage range (V) |
|-------------------|-------------------------------|
| 100-230 | 80-264 |
| 100-230-440 | 80-484 |

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