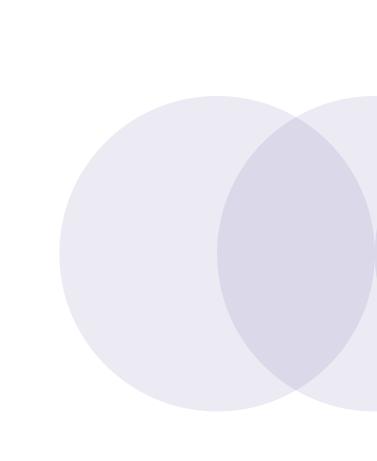
Retrofill / Retrofit

ME07 Breaker with EntelliGuard* R Breakers



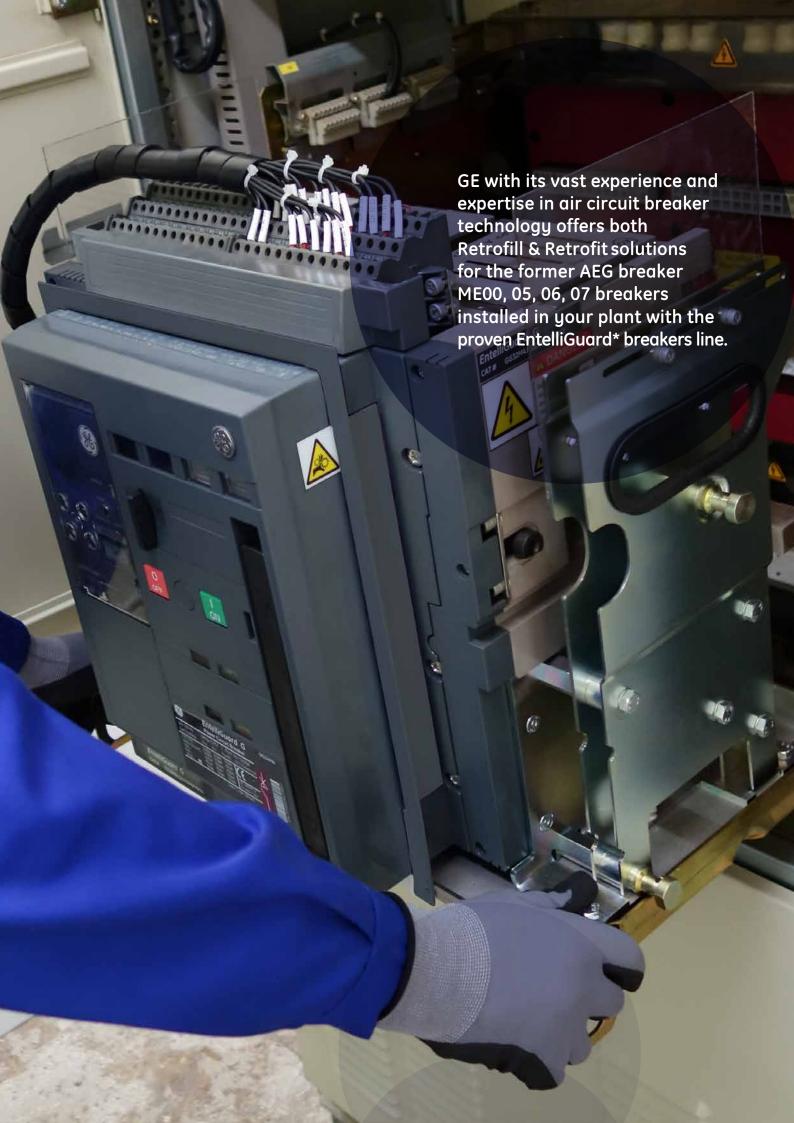




Retrofill & Retrofit

In any electrical installation, aging equipment can often be a major cause of concern. Added to that the normal wear and tear on low-voltage circuit breakers that may lead to a loss of system protection and reliability. Many times the existing switchgear is intact, but the breakers are worn out and spares are becoming obsolete.



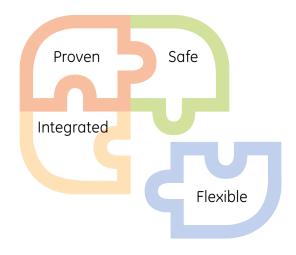


EntelliGuard* R are Retrofills, that is "roll-in" replacements for aging legacy breakers. With this product users can upgrade and update existing switchgear by only swapping the moving portion of a ME07 with a brand new EntelliGuard breaker leaving the existing cassette and cubicle virtually intact.

This convenient design ultimately minimizes both downtime and impact on the existing switchgear.

GE complements its Retrofill⁽¹⁾ range with **Retrofits**⁽²⁾ where "roll-in" replacements may not be possible. A Retrofit in comparison to a Retrofill, may require cubicle and busbar modifications.

These EntelliGuard* R breakers are supplied from the factory almost "Ready to Fit" into existing ME07 cassettes.

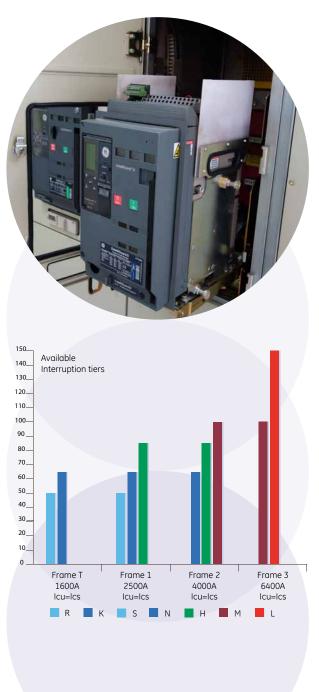


Benefits of EntelliGuard* R Retrofills

- ✓ No changes required to the Breaker Compartment, thereby reducing downtime & equipment impact ... no change in busbar or power cabling
- ✓ Minimum wiring changes at site; ME07 secondary control blocks provided with Retrofill for roll-in connection onto exisiting control circuitry
- ✓ Versatile design allows for compatibility for both GE and OEM equipment
- ✓ Option of choosing RELT feature which provides added safety to the installation
- ✓ EntelliGuard R Retrofill has been tested inside GE's own SEV/SEK equipment
- ✓ Renewal of breaker and plant life... Updating the installation ensures more uptime due to greater availability of spare parts and renewed endurance ratings.
- ✓ Clusterless design ensures solid and reliable connections



EntelliGuard* range overview: the breaker inside the EntelliGuard* R solution



The EntelliGuard range of power circuit breakers encompasses a line of three and four pole air circuit breakers with nominal currents ranging from 400 to 6400A in four basic frames.

All power circuit breakers are designed to allow multiple interruptions of fault currents. here the tested and certified service breaking capacity value (Ics) is in all cases equal to the stated ultimate breaking capacity (Icu).

Frame T can be used in networks with voltage up to 690V and can be acquired with current ratings from 400A to 1600A at 50°C. This type is available in interruption ratings (Ics=Icu) of 50 and 65kA.

Frame 1 can be used in networks with voltages up to 1000V and can be acquired with current ratings from 400 to 2500A at 50°C. This type is available in interruption ratings (Ics=Icu) of 50, 65 and 85kA. A version suitable for DC applications is available.

Frame 2 can be used in networks with voltages up to 1000V and can be acquired with current ratings from 400 to 4000A at 50°C. This type is available in interruption ratings (Ics=Icu) of 50, 65, 85 and 100kA.

Frame 3 can be used in networks with voltages up to 1000V and can be acquired with current ratings from 3200 to 6400A at 50°C. This type is available in interruption ratings (Ics=Icu) of 100 and 150kA. (Frame 3 is only available for Retrofit.)

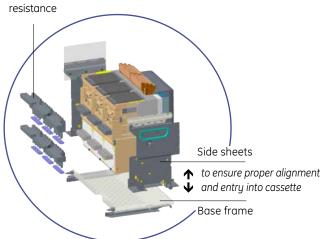
Plug 'n Play

Electronic trip units are normally supplied factory fitted. However, spares are available that plug into the breaker, automatically read the main breaker data and adjust themselves automatically to the breaker type.

This option can be used to allow field replacement or upgrades of existing trip units.

EntelliGuard* R Retrofill

Spreaders which ensures proper contact and reduces contact





Protection with state of the art electronic trip unit

Main adjustment options LT-LTD protection

Each device has an overload setting or LT setting range of 0.2 to 1 times the breaker rating with a choice of more than 60 setting points. The overload protection comes with up to 90 time band settings in 5 distinct curve models allowing the user to configure this device for almost any perceivable application.

ST-STD protection

A time delayed short-circuit protection is installed with an adjustment range of 2 to 12 times the set LT current values. The short-circuit interruption time can be set, at one of 17 bands ranging from 90 milliseconds to 1 second.

I protection

A switchable instantaneous protection can be optionally installed. This device is adjustable from 2 to 15 or 30 times the rating of the breaker and is programmed to wait for downstream devices to trip before reacting.

Other protection features

A host of other protection devices as LT-B & LT-C, RELT, GF sum & GF source return, earthfault (UEF, REF & SEF), extensive protective relays options plus the optional use of energy curves are available (see section B of this catalogue).

Measurement, relaying and communication

The EntelliGuard trip unit has been envisaged to provide the user with more. Optionally, a full network measurement device can be installed on the device. Relays can be included to trip the breaker on voltage unbalance, current unbalance, power reversal, etc.

The device can be equipped with communication for use with the Modbus or Profibus protocol whilst events as overload, short-circuit and groundfaults can be tracked. Optionally, the user can portray a short-circuit event through the wave form capture option.



Trip Unit Toolkit

This is a PC based software package designed to view, set and test the trip units present in the GE range of EntelliGuard, PremEon* and MET trip units.

The Toolkit provides our customers with a free way to increase their productivity when interacting with these trip units platforms while decreasing the time in front of live equipment.

For more information or to download the software please visit: **ex.geindustrial.com**

All EntelliGuard*
power circuit breakers are
equipped with a digital electronic
trip unit,available in four basic
versions: E, S, N and H.



Retrofill / Retrofit

| Range | | | | | | S1 | /N | | | | |
|--|--|---------|---------------|-------|-------|-----------|----------|--------|-------|-------|--|
| Frame size | | | | 1 | .0 | | | 20 | 30 | 40 | |
| ME07 frame size | | | 637 | 807 | 1007 | 1257 | 1607 | 2007 | 2507 | 3207 | |
| Equivalent EntelliGuard type | | | GT07K | GT08K | GT10K | GT13K | GT16K | GG20H | GG25H | GG32M | |
| Equivalent EntelliGuard frame siz | ze | | 1 1 1 1 1 1 2 | | | | | | | | |
| Version | | | | | • | Fixed / D |)raw-out | •••••• | • | • | |
| Number of poles | | | | | | 3, | 4(1) | • | • | * | |
| Rated insulation voltage Ui | | (V) | | | | 100 | VOC | • | • | | |
| Rated impulse withstand voltage | Uimp | (KV) | | | | 1 | .2 | ••••• | • | • | |
| Pollution degree | | | | | | | 3 | _ | | | |
| Category of use | | | | | | [| 3 | | | | |
| Rated operational voltage Ue at | 50°C | (V) | | | | . 69 | 0V | | • | * | |
| Rated current le at 50°C | | (A) | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | |
| | 50°C | (A) | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | |
| S | 55°C | (A) | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | |
| Current ratings at temperatures >50°C | 60°C | (A) | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | |
| it temperatures 200 c | 65°C | (A) | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | |
| | 70°C | (A) | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3100 | |
| | 400/440V | (KA) | 65 | 65 | 65 | 65 | 65 | 85 | 85 | 100 | |
| Iltimate breaking capacity Icu | 500V | (KA) | 55 | 55 | 55 | 55 | 55 | 65 | 65 | 100 | |
| apacity icu | 690V | (KA) | 50 | 50 | 50 | 50 | 50 | 65 | 65 | 85 | |
| | 400/415V | (KA) | 50 | 50 | 50 | 50 | 50 | 85 | 85 | 100 | |
| ervice breaking apacity Ics (kA) | 500V | (KA) | 50 | 50 | 50 | 50 | 50 | 65 | 65 | 100 | |
| apacity ics (kn) | Fixed / Draw-out 3, 4 1 1000V 1000V 1000V 1000V 1000V 1000V 12 12 3 3 10 12 12 12 12 13 14 15 16 16 16 16 16 16 16 | 65 | 65 | 85 | | | | | | | |
| Rated short time current Icw | Second S | 85 | | | | | | | | | |
| rated Short time current ICW | 3.0s (KA) | | 40 | 40 | 40 | 40 | 40 | 50 | 50 | 50 | |
| Short-circuit making current Icm 220-500V AC | kA Peak | | 105 | 105 | 105 | 105 | 105 | 187 | 187 | 220 | |
| Short-circuit making current cm 690V AC | ŀ | kA Peak | 88,2 | 88,2 | 88,2 | 88,2 | 88,2 | 143 | 187 | 187 | |
| Mechanical endurance | With maint | enance | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 10000 | |
| (CO operations) | Without maint | enance | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 5000 | |
| Electrical endurance (CO operations at 440V AC) | Without maint | enance | 10000 | 10000 | 10000 | 10000 | 10000 | 8000 | 8000 | 5000 | |

Electronic trip units

| GT-E type with Ammeter | LT & ST, -GF | |
|---|---|---|
| GT-S type with Ammeter, optional communication | LT,ST,I or HI - GF | |
| GT-N type with measurement, optional communication | LT, ST, I or HI, RELT GF, ZSI | |
| GT-H type with measurement & relaying, optional communication | LT or LT+ST,I OR HI, RELT,GFSUM or GFCT,ZSI | |
| | | T |

EN60947-3 Standard (isolator)

| EntelliGuard frame size | | G707 | G708 | G710 | G713 | G716 | GJ20N | GJ25N | GJ32M | |
|--|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| Number of poles | 3, 4 ⁽¹⁾ | | | | | | | | | |
| Rated insulation voltage Ui | | | | | 100 | VOC | | | | |
| Rated operational voltage Ue | • | | ••• | ••••• | 69 | 0V | ••• | ••• | ••• | |
| Rated impulse withstand volta | ige Uimp | | | | 1 | .2 | | | | |
| Rated current In at 50°C | | 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | |
| Category of use | В | | | | | | | | | |
| Short-circuit making current la | cm 220-500V AC | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | I |
| Mechanical endurance | With maintenance | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | |
| (CO operations at 440V AC) | Without maintenance | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 10000 | |
| Electrical endurance (CO operations at 440V AC) | Without maintenance | 6000 | 6000 | 6000 | 6000 | 6000 | 8000 | 8000 | 5000 | |
| | | | | | | 4 | | | | |

(1) Retrofill frame size 40 available in 3 pole version only Please consult with your GE representative for ratings not included in this table



| | 1 | .0 | N/ | S1 | 20 | 30 | 40 | 30 | 1 40 |
|-----------|-------|-------|---|------------------|-------|-------|-------|-----------|--------------------|
| 637 | 807 | 1007 | 1257 | 1607 | 2007 | 2507 | 3207 | 2507 | 3207 |
| GT07K | GT08K | GT10K | GT13K | GT16K | GG20H | GG25H | GG32M | GG25H | GG32N |
| T | Т | Т | Т | T | 1 | 1 | 2 | | |
| | L | L | L | Draw-out | L | L | L | Fixed / D | raw-out |
| | • | • | • | 4 ⁽¹⁾ | • | • | • | | 4 ⁽¹⁾ |
| | • | • | *************************************** | 00V | • | • | • | | 00V |
| | | | 1 | .2 | | | | 1 | 2 |
| | • | • | | 3 | • | • | • | | 3 |
| | | 3 | | | | | | | |
| | | | 69 | 10V | | - | | 69 | |
| 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | 2500 | 3200 |
| 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | 2500 | 3200 |
| 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | 2500 | 3200 |
| 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | 2500 | 3200 |
| 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3150 | 2500 | 3150 |
| 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3100 | 2500 | 3100 |
| 65 | 65 | 65 | 65 | 65 | 85 | 85 | 100 | 100 | 100 |
| 55 | 55 | 55 | 55 | 55 | 65 | 65 | 100 | 90 | 100 |
| 50 | 50 | 50 | 50 | 50 | 65 | 65 | 85 | 70 | 85 |
| 50 | 50 | 50 | 50 | 50 | 85 | 85 | 100 | 100 | 100 |
| 50 | 50 | 50 | 50 | 50 | 65 | 65 | 100 | 90 | 100 |
| 42 | 42 | 42 | 42 | 42 | 65 | 65 | 85 | 70 | 85 |
| 50 | 50 | 50 | 50 | 50 | 65 | 65 | 85 | 65 | 85 |
| 40 | 40 | 40 | 40 | 40 | 50 | 50 | 50 | | |
| 105 | 105 | 105 | 105 | 105 | 187 | 187 | 220 | 187 | 220 |
| 88,2 | 88,2 | 88,2 | 88,2 | 88,2 | 143 | 187 | 187 | 187 | 187 |
| 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 10000 | 20000 | 20000 |
| 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 5000 | 12000 | 12000 |
| 10000 | 10000 | 10000 | 10000 | 10000 | 8000 | 8000 | 5000 | 6000 | 5000 |

| LT & ST, -GF |
|---|
| LT,ST,I or HI - GF |
| LT, ST, I or HI, RELT GF, ZSI |
| LT or LT+ST,I OR HI, RELT,GFSUM or GFCT,ZSI |
| |

| G707 | G708 | G710 | G713 | G716 | GJ20N | GJ25N | GJ32M | GJ25N | GJ32M | | | |
|---|---------------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|--|
| | | | | | | | | | 4(1) | | | |
| | 1000V 690V | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | 1 | .2 | | | | 1 | .2 | | | |
| 630 | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | 2500 | 3200 | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | | | | В | | | | |
| 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | 143 | | | |
| 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | 20000 | | | |
| 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 12500 | 10000 | 12500 | 10000 | | | |
| 6000 | 6000 | 6000 | 6000 | 6000 | 8000 | 8000 | 5000 | 8000 | 5000 | | | |

Additional accessories







| Testkit GTUTK20 407999 ^l Conditioning Power supply 1 Phase 220-230V ^[3] GMPU1 408790 1 Phase 380-400V ^[3] GMPU2 408791 1 Phase 240-250/277-290/415V ^[3] GMPU3 408792 Power supply | Description | Cat. No. | Ref. No. |
|---|---|----------|-----------------------|
| Conditioning Power supply 1 Phase 220-230V ^[3] GMPU1 408790 1 Phase 380-400V ^[3] GMPU2 408791 1 Phase 240-250/277-290/415V ^[3] GMPU3 408792 Power supply | Reduced energy let through switch kit (RELT) | GTURSK | 408780 ⁽¹⁾ |
| Conditioning Power supply 1 Phase 220-230V ^[S] 1 Phase 380-400V ^[S] 1 Phase 240-250/277-290/415V ^[S] Power supply Conditioning Power supply GMPU1 408790 408791 408792 408792 | | | |
| 1 Phase 220-230V ^[S] GMPU1 408790 1 Phase 380-400V ^[S] GMPU2 408791 1 Phase 240-250/277-290/415V ^[S] GMPU3 408792 Power supply FOWER SUPPLY CMPU3 408792 | Testkit | GTUTK20 | 407999 ⁽²⁾ |
| 1 Phase 220-230VISI GMPU1 408790 1 Phase 380-400VISI GMPU2 408791 1 Phase 240-250/277-290/415VISI GMPU3 408792 Power supply | | | |
| 1 Phase 220-230V ^[S] GMPU1 408790 1 Phase 380-400V ^[S] GMPU2 408791 1 Phase 240-250/277-290/415V ^[S] GMPU3 408792 Power supply GMPU3 408792 | | | |
| 1 Phase 220-230V ^[S] GMPU1 408790 1 Phase 380-400V ^[S] GMPU2 408791 1 Phase 240-250/277-290/415V ^[S] GMPU3 408792 Power supply FOWER SUPPLY CMPU3 408792 | | | |
| 1 Phase 220-230V ^[S] GMPU1 408790 1 Phase 380-400V ^[S] GMPU2 408791 1 Phase 240-250/277-290/415V ^[S] GMPU3 408792 Power supply GMPU3 408792 | | | |
| 1 Phase 220-230V ^[S] GMPU1 408790 1 Phase 380-400V ^[S] GMPU2 408791 1 Phase 240-250/277-290/415V ^[S] GMPU3 408792 Power supply GMPU3 408792 | Conditioning Power supplu | | |
| 1 Phase 240-250/277-290/415V ^[3] GMPU3 408792 Power supply | | GMPU1 | 408790 |
| Power supply | 1 Phase 380-400V ⁽³⁾ | GMPU2 | 408791 |
| | 1 Phase 240-250/277-290/415V ⁽³⁾ | GMPU3 | 408792 |
| | Power supply | | - |
| 11) put 100-240V AC 01 100-333V - Output 24V DC 0.0A GAPO 400703 | Input 100-240V AC or 100-353V - Output(1) 24V DC 0.6A | GAPU | 408789 |
| | | | |
| | | | |
| | | | |

^{(1) 24}V DC required for RELT function communications, earth fault, extended GF, date and time added to event log, and display turning ON below 20% load (2) Should download free Trip Unit Toolkit Software from from: ex.geindustrial.com
(3) Obligatory when a fully functioning measurement unit is required

Request for quotation form Retrofill / Retrofit of ME07 with EntelliGuard* R Breaker

| | | | | | | | | | | ····· |
|---|----------|---------------------|----------|-------------------|---------------|-----------|--------------------------------------|----------|----------------|-------------|
| rame type | | N (Up to 415 | V) | | S1/S | | · • ··· | | Н | |
| Sub frame size | | 10 | <u>L</u> | 20 | 30 | | 40 | <u>L</u> | 50 | <u></u> 60 |
| | <u>Ļ</u> | 70 | | | | | | | | |
| requency (Hz) | | 50 | | 1 | <u> </u> 60 | | | | | |
| urrent rating (A) | | 250 | <u>L</u> | 400 | 630 | | 800 | <u>L</u> | 1000 | 1250 |
| | <u> </u> | 1600 | | 2000 | 2500 | | 3200 | L | 4000 | 5000 |
| b | | 6400 | | | | | П. 6.1 | | | |
| lumber of poles | | 3 Pole | | 1 | | | 4 Pole | г | 7 | П.с. |
| Iltimate short circuit rating cu/Ics (kA) | |]30]70 | | 35 | <u></u> 40 | | 50 | | 55 | <u></u> ∟65 |
| hort time withstand Icw (kA) | |] 70] 30 | | 35 | T 40 | | 50 | Г | 55 | 65 |
| Neutral | | Left | |] Right | 40 | | 30 | | | 0 |
| leutral rating in % | | 150 | | Ingii | 63 | | | Γ | 100 | |
| Device type | | Circuit breal | er | | | nnectino | ı switch | | | |
| oltage rating (V) | Ci | rcuit breaker | | | up to | | J SWITCH | Γ | up to 690V | |
| ortage ruting (v) | ******* | sconnecting | | h | up to | | | Ϊ | up to 690V | |
| rip unit type | Γ. | bse 3-1 RMS | | | | -2 RMS | | Γ | bse 3-3 RMS | ····· |
| - 1 | Ē | bse 3-4 RMS | | | | -5 RMS | | Ī | bse 3-6 RMS | |
| | | bse 4-1 RMS | | | | -2 RMS | | Ī | bse 4-3 RMS | ····· |
| | Ē | bse 4-4 RMS | | | | -5 RMS | | Ī | bse 4-6 RMS | |
| | | bse 3-3.1 RN | | | | -3.1 RMS | 5 | Ī |] bse 3-7 | ···· |
| | Ē | bse 4-7 | | | | | | | | |
| ettings on trip unit at site | |]LT Class | | | LT Cu | rent | | | ST pickup | |
| | |]ST delay | |]INST pick-up |) | | GF pick up | | | |
| | |]GFDelay | | | ZSI- | | | | | |
| ield bus interface | |] Modnet | | | | | Profibus | | | |
| uxiliary power | |]60-230V AC | | | | | 24V DC | | | |
| Operation | | Manual | | | | | Electrical | | | |
| ection 2 - Accessories | | | | | | | | | | |
| | _ | 1 | | 1,0,00 | | | | | 7.051/5.0 | |
| lotor operator | | 24V DC | | 48VDC | ☐ 60VD | | 110VDC | <u> </u> | 125VDC | 220VD |
| | | 42VAC | | 110VAC | 220V/ | | 240VAC | <u>-</u> | _NA □135VDC | |
| Closing coil | |] 24V DC] 42VAC | | 48VDC | 60VD | | 110VDC 240VAC | | 125VDC □NA | 220VD |
| de constante | | 24V DC | | 110VAC 48VDC | | | 110VDC | | INA T125VDC | |
| Shunt trip | | 42VAC | | 110VAC | 220V | | 240VAC | | 123VDC NA | 22000 |
| 'acand abunt trin | | 24V DC | | 48VDC | 60VD | | 110VDC | | 125VDC | 220VD |
| Second shunt trip | - | 42VAC | | 110VAC | 220V | | 240VAC | | NA | 22000 |
| JV device | | 24V DC | | 48VDC | 60VD | | 110VDC | | 125VDC | 220VD |
| ov uevice | - | 142VAC | | 110VAC | | | 240VAC | | 123VDC NA | دد۵۷۵ |
| Number of auxiliary contacts | | NO - | | 111014 | | | NC - | | | |
| Orive type | | fv1 | | fv2 | fv3.1 | | fv3.2 | Γ | fv4 | fv6 |
| viive type | | fv7.1 | | 1145 | | | 1vJ.6 | | | |
| pring charge indication(1) | F | ues | | lno | | | | | | |
| Bell alarm contact ⁽¹⁾ | |]yes | | no | | | | | | |
| reaker position indicator | F |]yes | T | no | | | | | | |
| ocks provided ⁽¹⁾ | | Ronis | | Castell | Door | interlock | ···································· | | | |
| | (Pl | 7 | quan | tity, part num | | | ····· | | | |
| Ready to close indication(1) | |] yes | | no | | | | | | |
| Any other accessories® | | Door Escuto | heon | | | | ••••• | | | |
| | | | | | | | | | | |
| ection 3 - Installation o | iet | ails | | | | | | | | |
| ype of termination | | Top horizon | al & b | ottom horizo | ntal | | Top horizon | tal & | bottom vertice | al le |
| | | Top vertical | & bot | tom horizonto | ol | | Top vertical | & bo | ttom vertical | |
| iize of incoming busbar | | Copper bus | bar of | size mm² (Ple | ease specify | number | of runs) | | | |
| izing of outgoing busbar | Ĺ | Copper bus | bar of | size mm² (Ple | ease specify | number | of runs) | | | |
| Neutral bus position / size | | Copper bus | bar of | size mm² (Ple | ease specify | number | of runs) | | | |
| Details of separation sheet provided | | Please attac | | tch with detai | iled dimensio | ns of th | e isolation sheet | & mc | ounting arrang | ement |

Any other specific requirements (Not captured above please specify)
Note: For Retrofill: Fill in all details in section -1 & 2, for Retrofit: Fill in all 3 sections
(1) indicates that these accessories cannot be supplied as factory fitted



GF Industrial Solutions

GE Industrial Solutions is a first class global supplier of low and medium voltage products including wiring devices, residential and industrial electrical distribution components, automation products, enclosures and switchboards. Demand for the company's products comes from wholesalers, installers, panelboard builders, contractors, OEMs and utilities worldwide.

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