

## DATA SHEET: TEMBREAK 2 E160-SJ MCCB

Código Larce P3:

0403001105 0403001107 0403001109 0403001111  
0403001106 0403001108 0403001110

MCCB Electrical Characteristics to IEC 60947-2, EN 60947-2, JIS C 8201-2-1 ANN.1, NEMA AB-1

| Frame Reference                                  | Quantity         | Unit             | Condition                                                              | TB2 Lite 160                   |
|--------------------------------------------------|------------------|------------------|------------------------------------------------------------------------|--------------------------------|
| Max in (A) of Frame                              |                  |                  |                                                                        | 160                            |
| Model                                            |                  |                  |                                                                        | E160                           |
| Number of Poles                                  |                  |                  |                                                                        | 3, 4                           |
| Type                                             |                  |                  |                                                                        | SJ                             |
| Nominal current ratings                          |                  |                  |                                                                        |                                |
|                                                  | I <sub>n</sub>   | (A)              | 50°C                                                                   | 25,40,63,80<br>100,125,160     |
| Electrical characteristics                       |                  |                  |                                                                        |                                |
| Rated operational voltage                        | U <sub>e</sub>   | (V)              | AC 50/60 Hz<br>DC                                                      | 525<br>250                     |
| Rated insulation voltage                         | U <sub>i</sub>   | (V)              |                                                                        | 690                            |
| Rated impulse withstand voltage                  | U <sub>imp</sub> | (kV)             |                                                                        | 8                              |
| Ultimate breaking capacity<br>(IEC, JIS, AS/NZS) | I <sub>cu</sub>  | (kA)             | 690V AC<br>525V AC<br>440V AC<br>400/415V AC<br>220/240V AC<br>250V DC | -<br>6<br>10<br>16<br>25<br>13 |
| Service breaking capacity<br>(IEC, JIS, AS/NZS)  | I <sub>cs</sub>  | (kA)             | 690V AC<br>525V AC<br>440V AC<br>400/415V AC<br>220/240V AC<br>250V DC | -<br>3<br>5<br>8<br>13<br>7    |
| Rated breaking capacity (NEMA)                   |                  | (kA)             | 480V AC<br>240VAC                                                      | 6<br>25                        |
| Protection                                       |                  |                  |                                                                        |                                |
| Fixed thermal, fixed magnetic                    |                  |                  |                                                                        | -                              |
| Adjustable thermal, fixed magnetic               |                  |                  |                                                                        | ■                              |
| Utilisation category                             |                  |                  |                                                                        | A                              |
| Installation                                     |                  |                  |                                                                        |                                |
| Front connection (FC)                            |                  |                  |                                                                        | ■                              |
| Extension bar (FB)                               |                  |                  |                                                                        | •                              |
| Cable clamp (FW)                                 |                  |                  |                                                                        | ■ ①                            |
| Rear connection (RC)                             |                  |                  |                                                                        | •                              |
| Plug-in (PM)                                     |                  |                  |                                                                        | -                              |
| DIN rail mounting (DA)                           |                  |                  |                                                                        | •                              |
| Dimensions                                       | height           | (mm)             |                                                                        | 130                            |
|                                                  | width            | (mm)             | 3 pole, (1 pole)<br>4 pole                                             | 75<br>100                      |
|                                                  | depth            | (mm)             |                                                                        | 68                             |
| Weight                                           | weight           | (kg)             | 3 pole, (1 pole)<br>4 pole                                             | 0.8<br>1.0                     |
| Operation                                        |                  |                  |                                                                        |                                |
| Direct Opening Action                            |                  |                  |                                                                        | ■                              |
| Toggle operation                                 |                  |                  |                                                                        | ■                              |
| Door mounted (HS) / Breaker mounted handle (HB)  |                  |                  |                                                                        | •                              |
| Motor operation                                  |                  |                  |                                                                        | -                              |
| Endurance                                        | Electrical       | cycles<br>cycles | 415V AC                                                                | 10,000②<br>20,000              |

■ Standard • Optional - Not Available

① Factory-fit at time of order

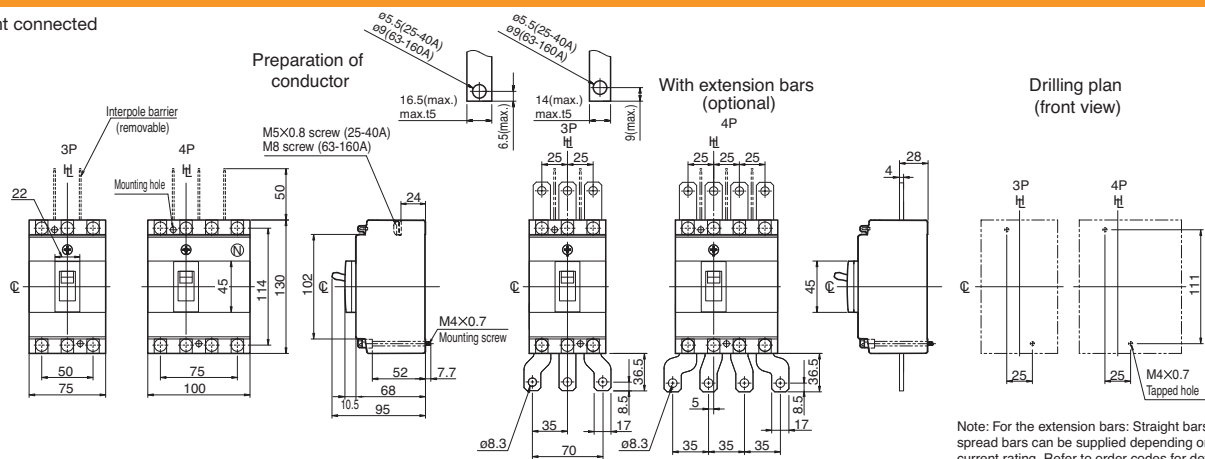
② 14,000 ≤125A

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## Outline Dimensions E160-SJ

ASL: Arrangement Standard Line H: Handle Frame Centre Line C: Handle Centre Line

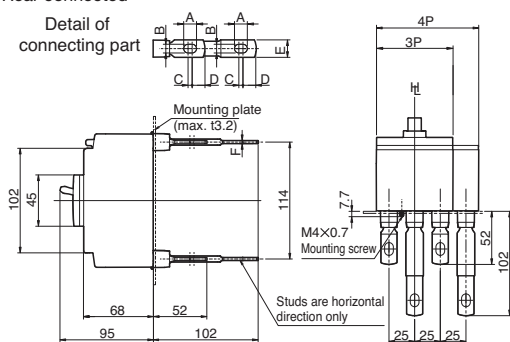
### Front connected



Note: For the extension bars: Straight bars or spread bars can be supplied depending on current rating. Refer to order codes for details.

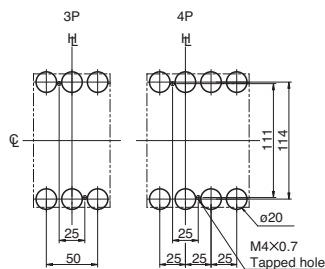
## Rear connected

Detail of  
connecting part

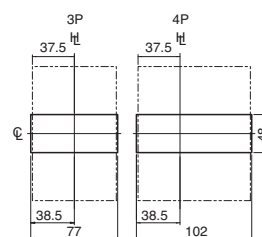


| Rated current (A) | A    | B   | C | D  | E  | F |
|-------------------|------|-----|---|----|----|---|
| 16-50             | 10.5 | 6.5 | 4 | 13 | 16 | 4 |
| 63-160            | 12.5 | 8.5 | 4 | 13 | 16 | 5 |

Drilling plan (front view)



Panel cutout (front view)



Panel cutout dimensions shown give an allowance of 1.0mm or more around the handle escutcheon.

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### Time/Current Characteristic Curves

E160-SJ

