

## DATA SHEET: TEMBREAK 2 S800-NN SWITCH DISCONNECTORS

Switch Disconnector Electrical Characteristics to IEC 60947-3 EN 60947-3, AS/NZS 3947-3

| Frame reference                                 | Quantity                 | Unit             | Condition         | TB2 1000         |
|-------------------------------------------------|--------------------------|------------------|-------------------|------------------|
| Max In (A) of Frame                             |                          |                  |                   | 800              |
| Model                                           |                          |                  |                   | S800             |
| Number of Poles                                 |                          |                  |                   | 3, 4             |
| Type                                            |                          |                  |                   | NN               |
| Nominal current ratings                         |                          |                  |                   |                  |
|                                                 | $I_e$                    | (A)              |                   | 630<br>800       |
| Electrical characteristics                      |                          |                  |                   |                  |
| Rated operational voltage                       | $U_e$                    | (V)              | AC 50/60 Hz<br>DC | 690<br>250       |
| Rated insulation voltage                        | $U_i$                    | (V)              |                   | 800              |
| Rated impulse withstand voltage                 | $U_{imp}$                | (kV)             |                   | 8                |
| Rated short-circuit making capacity             | $I_{cm}$                 | (kA peak)        |                   | 17               |
| Rated short-time withstand current              | $I_{cw}$                 | (kA rms)         | 0.3 Seconds       | 10               |
| Utilisation category to IEC 60947-3             |                          |                  | AC<br>DC          | AC-23A<br>DC-22A |
| Installation                                    |                          |                  |                   |                  |
| Front connection (FC)                           |                          |                  |                   | ■                |
| Extension bar (FB)                              |                          |                  |                   | •                |
| Cable clamp (FW)                                |                          |                  |                   | -                |
| Rear connection (RC)                            |                          |                  |                   | •                |
| Plug-in (PM)                                    |                          |                  |                   | •                |
| Draw-out (DR)                                   |                          |                  |                   | •                |
| DIN rail mounting (DA)                          |                          |                  |                   | -                |
| Dimensions                                      | height                   | (mm)             |                   | 273              |
|                                                 | width                    | (mm)             | 3 pole<br>4 pole  | 210<br>280       |
|                                                 | depth                    | (mm)             |                   | 103              |
| Weight                                          | weight                   | (kg)             | 3 pole<br>4 pole  | ①<br>②           |
| Operation                                       |                          |                  |                   |                  |
| Direct Opening Action                           |                          |                  |                   | ■                |
| Toggle operation                                |                          |                  |                   | ■                |
| Door mounted (HS) / Breaker mounted handle (HB) |                          |                  |                   | •                |
| Motor operation (MC)                            |                          |                  |                   | •                |
| Endurance                                       | Electrical<br>Mechanical | cycles<br>cycles | 415V AC           | 4,000<br>10,000  |

■ Standard    • Optional    - Not Available

① 8.0kg/630A, 8.5kg/800A

② 11.0kg/630A, 11.5kg/800A

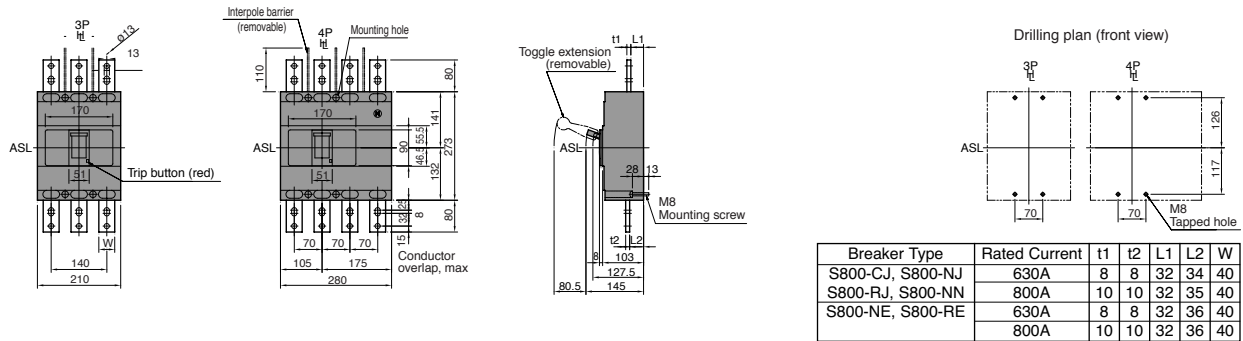
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### SWITCH DISCONNECTORS

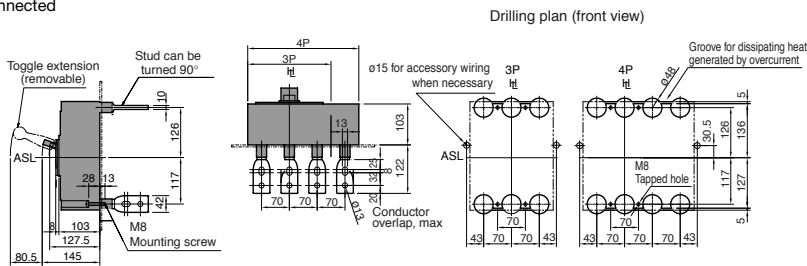
#### Outline Dimensions S800-NN

ASL: Arrangement Standard Line H: Handle Frame Centre Line

Front connected with extension bars (optional)

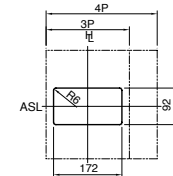


Rear connected



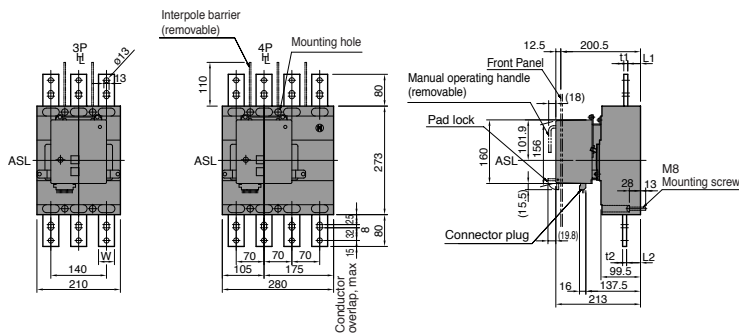
Note: Studs are factory installed in horizontal direction both on the line and load sides.

Panel cutout (front view)

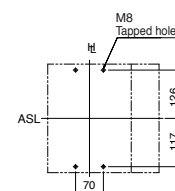


Panel cutout dimensions shown give an allowance of 1.0mm around the handle escutcheon.

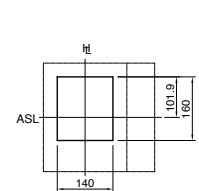
Front connected with Motor Operator



Drilling plan (front view)

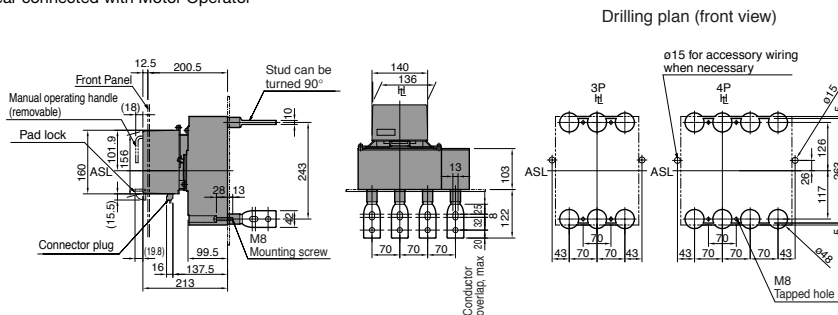


Panel cutout (front view)



Panel cutout dimensions shown give an allowance of 1.5mm around motor operator.

### Rear connected with Motor Operator



Note: Studs are factory installed in horizontal direction both on the line and load sides.

Panel hinge position (hatching area)  
(bottom view)

