

**SERIA FR**

FR1-820-14-B-A2-2-1-B-A

- 1 - 3-polowe
- 100-700 A
- Do 277 V AC
- Do 137.5 V DC



## OPIŠ PRODUKTU

Firma Mors Smitt ze względu na swoje świetne zorientowanie na potrzeby klienta oferuje szeroką gamę wyłączników miniaturowych o przeróżnych specyfikacjach, aby sprostać najwyższym wymaganiom. Zamówienia należy komponować zgodnie z poniższą formatką. Przedstawione produkty są przykładowe.

## Ordering scheme FR - page 1

| FR                                    |                   | .....code continues on following page..... |
|---------------------------------------|-------------------|--------------------------------------------|
| Poles                                 | 1                 | 1 pole                                     |
|                                       | 2                 | 2 poles                                    |
|                                       | 3                 | 3 poles                                    |
| Current rating (amperes) <sup>1</sup> | 810               | 100.0                                      |
|                                       | 812               | 120.0                                      |
|                                       | 912               | 125.0                                      |
|                                       | 815               | 150.0                                      |
|                                       | 917               | 175.0                                      |
|                                       | 820               | 200.0                                      |
|                                       | 922               | 225.0                                      |
|                                       | 825               | 250.0                                      |
|                                       | 830 <sup>14</sup> | 300.0                                      |
|                                       | 835 <sup>14</sup> | 350.0                                      |
|                                       | 840 <sup>14</sup> | 400.0                                      |
|                                       | 845 <sup>14</sup> | 450.0                                      |
|                                       | 850 <sup>14</sup> | 500.0                                      |
|                                       | 860 <sup>14</sup> | 600.0                                      |
|                                       | 870 <sup>14</sup> | 700.0                                      |
| Frequency & delay                     | 11                | DC ultra short                             |
|                                       | 12                | DC short                                   |
|                                       | 14                | DC medium                                  |
|                                       | 16                | DC long                                    |
|                                       | 22                | 50/60 Hz short                             |
|                                       | 24                | 50/60 Hz medium                            |
|                                       | 26                | 50/60 Hz long                              |

## Ordering scheme FR - page 2

|                               |                |       |                |                |                |                |       |       |
|-------------------------------|----------------|-------|----------------|----------------|----------------|----------------|-------|-------|
| .....                         |                | ..... | .....          | .....          | .....          | .....          | ..... | ..... |
| Circuit                       | B              |       |                |                |                |                |       |       |
|                               | P <sup>1</sup> |       |                |                |                |                |       |       |
| Actuator <sup>2</sup>         |                | A     |                |                |                |                |       |       |
|                               |                | S     |                |                |                |                |       |       |
|                               |                | T     |                |                |                |                |       |       |
| Actuator colour & legend      |                |       | ..             |                |                |                |       |       |
|                               |                |       |                |                |                |                |       |       |
| Auxiliary switch <sup>3</sup> |                |       | 0              |                |                |                |       |       |
|                               |                |       | 2              |                |                |                |       |       |
|                               |                |       | 3              |                |                |                |       |       |
|                               |                |       | 4              |                |                |                |       |       |
|                               |                |       | 9              |                |                |                |       |       |
|                               |                |       | B <sup>4</sup> |                |                |                |       |       |
| Terminal                      |                |       |                | 1 <sup>5</sup> |                |                |       |       |
|                               |                |       |                | 2 <sup>6</sup> |                |                |       |       |
|                               |                |       |                | 5 <sup>6</sup> |                |                |       |       |
|                               |                |       |                |                | 3              |                |       |       |
|                               |                |       |                |                | 4 <sup>6</sup> |                |       |       |
| Mounting                      |                |       |                |                | A              |                |       |       |
|                               |                |       |                |                | B              |                |       |       |
| Maximum application rating    |                |       |                |                |                | B              |       |       |
|                               |                |       |                |                |                | C <sup>8</sup> |       |       |
|                               |                |       |                |                |                | F              |       |       |
|                               |                |       |                |                |                | 7 <sup>9</sup> |       |       |
| Agency approval               |                |       |                |                |                |                | A     |       |

|                                                                    |     |        |      |               |
|--------------------------------------------------------------------|-----|--------|------|---------------|
| Single pole or multi-pole (max. 250 A) - Series trip (current)     |     |        |      |               |
| Parallel pole construction (300 A - 700 A) - Series trip (current) |     |        |      |               |
| Handle, one per pole                                               |     |        |      |               |
| Mid-trip handle, one per pole                                      |     |        |      |               |
| Mid-trip handle, one per pole & alarm switch                       |     |        |      |               |
| Actuator colour                                                    | I-O | On-Off | Dual | Legend colour |
| White                                                              | A   | B      | 1    | Black         |
| Black                                                              | C   | D      | 2    | White         |

|                                                                                                 |  |
|-------------------------------------------------------------------------------------------------|--|
| Without auxiliary switch                                                                        |  |
| S.P.D.T., 0.110 QC terminals                                                                    |  |
| S.P.D.T., 0.139 solder lug                                                                      |  |
| S.P.D.T., 0.110 QC terminals (gold contacts)                                                    |  |
| S.P.D.T., 0.187 QC terminals                                                                    |  |
| S.P.D.T., 0.093 round QC terminals                                                              |  |
| Back connected (front mounted only)                                                             |  |
| Stud 3/8-16, max. rating 250 A                                                                  |  |
| Screw, line & load 3/8-16, max. rating 700 A                                                    |  |
| Short stud 3/8-16, max. rating 250 A                                                            |  |
| Front connected (back mounted only) <sup>7</sup>                                                |  |
| Box wire connector, line & load, max. rating 700 A                                              |  |
| Screw, line & load 3/8-16, max. rating 700 A                                                    |  |
| Front mounting inserts <sup>12</sup> : 10-32, back mouting inserts 10-32 screw clearance holes  |  |
| Front mounting inserts <sup>12</sup> : ISO M5, back mouting inserts 10-32 screw clearance holes |  |
| 125 VDC, 700 A                                                                                  |  |
| 120/240 VAC, 250 A                                                                              |  |
| 277 VAC, 250 A                                                                                  |  |
| 120/208 VAC, 250 A                                                                              |  |
| No aproval <sup>10</sup>                                                                        |  |

Wszystkie wyłączniki firmy Mors Smitt są projektowane zgodnie z normami:

- IEC 60077-1/2/3/4
- NF F62-001 - 1/2/3
- NF F16-101/102
- EN 45545-2
- EN 50155
- EN 61373
- EN 50124-1
- IEC 60068-2-30
- IEC 60068-2-52
- NF F61-010