

# PUSH-PULL PUSH-FIT 6.3 MM BLADE

## SMALL MODEL CIRCUIT BREAKER



### REFERENCES

| Rating | no auxiliary contacts | no auxiliary contacts | no polarised/polarised | no auxiliary contacts |
|--------|-----------------------|-----------------------|------------------------|-----------------------|
| 0.5 A  |                       | 84 408 111            |                        | 84 418 011            |
| 1 A    | 84 408 001            | 84 408 101            | 84 408 801/601         | 84 418 001            |
| 2 A    | 84 408 002            | 84 408 102            | 84 408 802/602         | 84 418 002            |
| 2.5 A  | 84 408 012            | 84 408 112            | 84 408 812/612         | 84 418 012            |
| 3 A    | 84 408 003            | 84 408 103            | 84 408 803/603         | 84 418 003            |
| 4 A    | 84 408 004            | 84 408 104            | 84 408 804/604         | 84 418 004            |
| 5 A    | 84 408 005            | 84 408 105            | 84 408 805/605         | 84 418 005            |
| 6 A    | 84 408 006            | 84 408 106            | 84 408 806/606         | 84 418 006            |
| 7.5 A  | 84 408 007            | 84 408 107            | 84 408 807/607         | 84 418 007            |
| 10 A   | 84 408 010            | 84 408 110            | 84 408 810/610         | 84 418 010            |
| 15 A   | 84 408 015            | 84 408 115            | 84 408 815/615         | 84 418 015            |
| 20 A   | 84 408 020            | 84 408 120            | 84 408 820/620         | 84 418 020            |
| 25 A   | 84 408 025            | 84 408 125            | 84 408 825/625         | 84 418 025            |

| Mounting hardware                 |   |   |   |   |
|-----------------------------------|---|---|---|---|
| Straight terminals without screws | • | • | • | • |
| Barrel threadings                 |   |   |   |   |
| Conical barrel                    | • | • | • | • |

| Button                  |   |   |   |   |
|-------------------------|---|---|---|---|
| Green color             |   |   | • |   |
| Black color             | • | • |   | • |
| Long neck (long button) |   | • | • |   |

| Conformity standard |   |     |     |   |
|---------------------|---|-----|-----|---|
| EN 2495*            | • |     |     | • |
| EN 2995*            |   | 004 | 005 |   |
| EN3773-006          | • | •   |     |   |
| EN3774-006          |   |     |     | • |
| AS 33201            | • | •   | •   |   |

\* for thermal performance and auxiliary contact performance

| Mass/MTBF / Technical file |           |           |           |           |
|----------------------------|-----------|-----------|-----------|-----------|
| No mounting hardware       | < 14,5    | < 15,5    | < 16,5    | < 51      |
| MTBF FH (Typical)          | > 7.2 M   | > 7.2 M   | > 3.6 M   | > 1.7 M   |
| Technical file             | SP 991600 | SP 991800 | SP 991800 | SP 991500 |

### GENERAL CHARACTERISTICS

| Electrical                             | Single pole                |                            | Three pole                        |
|--|----------------------------|----------------------------|-----------------------------------|
|  |                            | 28 VDC                     | 115 VAC (400 Hz)                  |
| Breaking current 1CO + 2OCO            | 6000 A                     | 2500 A                     | 2000 A                            |
| Dielectric                             | 1500 V                     | 1500 V                     | 1500 V                            |
| Endurance cycles                       | 5000 (with L/R: 5 ms)      | 5000 (with cos fi: 0.7)    | 5000 (with cos fi: 0.7)           |
| Insulation resistance                  | above 100 MΩ               | above 100 MΩ               | above 100 MΩ                      |
| Working life (endurance) at 5xRC       | 50 cycles                  | 50 cycles                  | 50 cycles                         |
| Auxiliary contact current (if present) | 0.1..0.2 A                 | 0.1..0.2 A                 | 0.1..0.2 A                        |
| Voltage drop compliance                | EN2495/2995/MS3320/AS33201 | EN2495/2995/MS3320/AS33201 | MS14154/AS14154A/EN2592/2996/3774 |

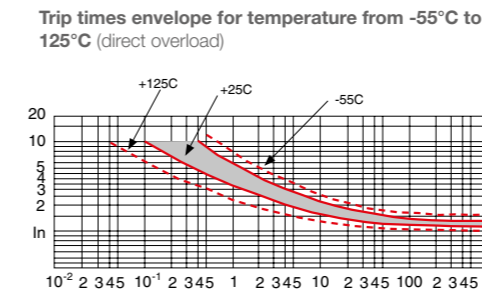
| Mechanical                         |   |
|------------------------------------|---|
| Operating force                    | 3,5N<push<45N / 5N<pull<30N   |
| Endurance                          | mechanical (no load) 5 000 cycles<br>on resistive load 2 500 cycles |
| Tightening torque (barrel nut)     | recommended: 4 ± 0.25 N.m maximum : 5.0 N.m                         |
| Tightening torque (terminal screw) | recommended: 1.6 ± 0.1 N.m maximum : 2.0 N.m                        |

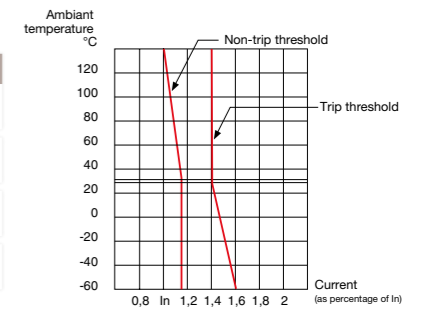
| Environmental                      |  |
|------------------------------------|--|
| Salt spray                         | 48h 5% NaCl  |
| Humidity: Test b                   | RTCA D0160 10 cycles   |
| Operating temperature              | -60°C +125°C for all ratings except 30 A: - 60°C + 90°C                          |
| Acceleration (centrifugal)         | up to 40 g   |
| Shock                              | 50 g 3 halvesine 11 msec   |
| Vibration (sinusoidal) single pole | 10 g-PK from 70 to 2000 Hz (MIL STD 202 method 204 D condition B with 90% of RC) |
| Vibration (random) single pole     | 9.26 Grms (MIL STD 202 method 214 A condition E with 90% of RC)                  |

# PUSH-FIT 0.25 INCH TAB

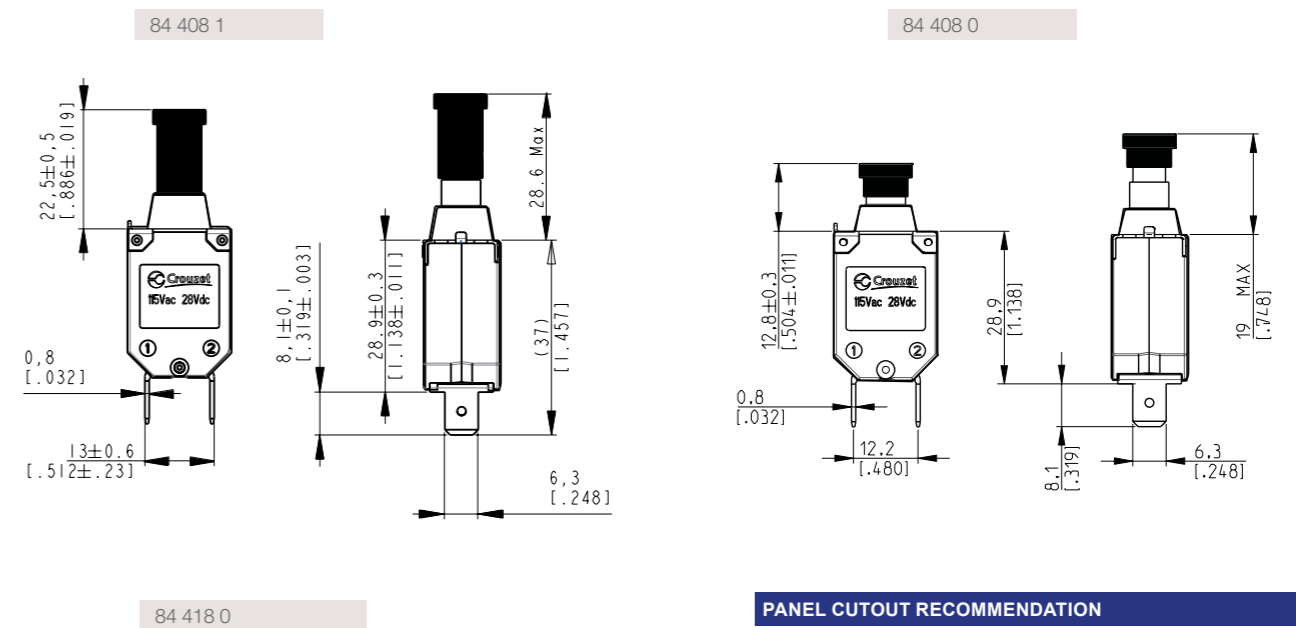
### CURVES



| Rating                      | 1.5 → 5 A  | 7.5 → 25 A |
|-----------------------------|------------|------------|
| Non tripping point at 25°C  | 1.15 * RC  | 1.15 * RC  |
| Tripping point at 25°C      | 1.4 * RC   | 1.4 * RC   |
| Tripping time at 2 * RC     | 2 s → 15 s | 4 s → 20 s |
| Non tripping point at 125°C | 1 * RC     | 1 * RC     |



### DIMENSIONS



### PANEL CUTOUT RECOMMENDATION

› Required panel thickness for centring grommet 79219333: 1.6 mm

