

ANM7 Series moulded case circuit breaker



Thermal magnetic trip

| I_n [A] | 15 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 400 | 600 | 800 | |
|----------------------------------------|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|-----|------|------|
| Neutral [A] | 15 | 20 | 25 | 30 | 35 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 300 | 400 | 600 | 800 | |
| T1 ($I_1=I_n$) | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | | | | |
| T2 ($I_1=I_n$) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | | | | |
| T3 ($I_1=I_n$) | | | | | | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | |
| Ts3 ($I_1=I_n$) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | |
| T4 ($I_1=I_n$) | ■ | ■ | | | | | | | | | | | | | | | | | | | | | |
| T4 ($I_1=0.7...1 \times I_n$) | | | | ■ | | ■ | ■ | | | ■ | | ■ | ■ | ■ | | ■ | | ■ | | | | | |
| T5 400 ($I_1=0.7...1 \times I_n$) | | | | | | | | | | | | | | | | | | | ■ | ■ | | | |
| T6 ($I_1=0.7...1 \times I_n$) | | | | | | | | | | | | | | | | | | | | | | ■ | ■ |
| T1 | | | | | | | | | | | | | | | | | | | | | | | |
| I_3 [A] | 1000 | 1000 | 1000 | 1000 | | 1000 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | | | | | | | | | | | |
| Neutral [A] | 1000 | 1000 | 1000 | 1000 | | 1000 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | | | | | | | | | | | |
| T2, T3 | | | | | | | | | | | | | | | | | | | | | | | |
| I_3 [A] | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 600 | 700 | 800 | 900 | 1250 | 1500 | 1750 | 2000 | 2250 | | | | | | | |
| Neutral [A] | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 600 | 700 | 800 | 900 | 1250 | 1500 | 1750 | 2000 | 2250 | | | | | | | |
| Ts3 | | | | | | | | | | | | | | | | | | | | | | | |
| I_3 [A] | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 600 | 700 | 800 | 900 | 1250 | 1500 | 1750 | 2000 | 2250 | | | | | | | |
| Neutral [A] | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 600 | 700 | 800 | 900 | 1250 | 1500 | 1750 | 2000 | 2250 | | | | | | | |
| T4, T5 | | | | | | | | | | | | | | | | | | | | | | | |
| I_3 [A] | 500 | 500 | | 500 | | 500 | 500 | | | 400 | | 500 | 625 | 750 | | 1000 | | 1250 | 1500 | 2000 | | 3000 | 4000 |
| Neutral [A] | 500 | 500 | | 500 | | 500 | 500 | | | 400 | | 500 | 625 | 750 | | 1000 | | 1250 | 1500 | 2000 | | 3000 | 4000 |
| T6 | | | | | | | | | | | | | | | | | | | | | | | |
| $I_3 = 5...10 \times I_n$ [A] | | | | | | | | | | | | | | | | | | | | | | 3000 | 4000 |
| Neutral [A] - 100% | | | | | | | | | | | | | | | | | | | | | | 6000 | 8000 |
| Neutral [A] - 50% | | | | | | | | | | | | | | | | | | | | | | 3000 | 4000 |
| | | | | | | | | | | | | | | | | | | | | | | 6000 | 8000 |

ANM7 Series moulded case circuit breaker

Application

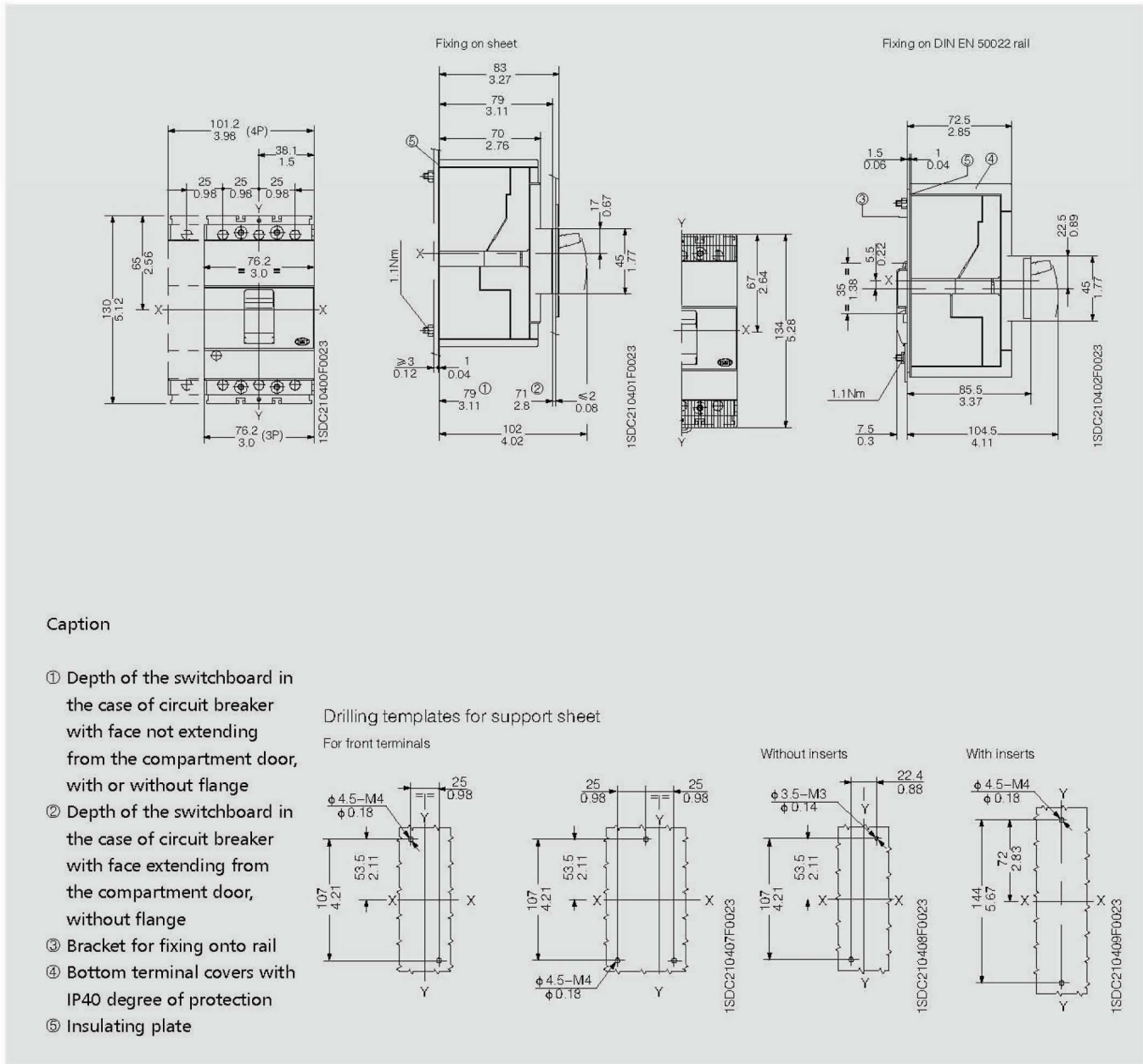
ANM7 MCCB(molded case circuit breaker) is a device to protect the equipment from short-circuit, overload. Our MCCB are made according IEC60947-2 standards, rated current from 63A to 1600A are available. Based on the tripping method, we cover thermal-magnetic type and electronic type. According to your application, auxiliary contact, shunt trip, alarming contact, under voltage modular, rotary handle, insert base and residual protection modular etc. are ready well for your special requirement. Mini circuit breaker is the new product adopt the newest modern highly technologic. Its excellent performance is depending on the quick trip and strong .It has some new design for choose.

Specifications

| Type | | ANM7-160 | | | | | ANM7-250 | | |
|----------------------------------------------------|-----------------------|----------|----|----|-----|-----|----------|----|--|
| Rated uninterrupted current Iu(A) | (A) | 160 | | | | | 250 | | |
| Poles | (Nr) | 3/4 | | | | | 3/4 | | |
| Rated service voltage Ue | (AC)50/60Hz | 690 | | | | | 690 | | |
| | (DC) | 500 | | | | | 500 | | |
| Rated impulse with stand voltage Uimp | (kV) | 8 | | | | | 8 | | |
| Rated insulation voltage Ui | | 800 | | | | | 800 | | |
| Test voltage at industrial frequency for 1 min. | | 3000 | | | | | 3000 | | |
| Rated ultimate short circuit breaking capacity Icu | | N | S | H | L | N | | S | |
| | (AC)50/60Hz 220/230V | (kA) | 65 | 85 | 100 | 120 | 50 | 85 | |
| | (AC)50/60Hz 380/415V | (kA) | 36 | 50 | 70 | 85 | 36 | 50 | |
| | (AC)50/60Hz 400V | (kA) | 30 | 45 | 55 | 75 | 25 | 40 | |
| | (AC)50/60Hz 500V | (kA) | 25 | 30 | 36 | 50 | 20 | 30 | |
| | (AC)50/60Hz 690V | (kA) | 6 | 7 | 8 | 10 | 5 | 8 | |
| Mechanical life | (No.operatios) | 25000 | | | | | 25000 | | |
| | (No. Hourlyoperatios) | 240 | | | | | 240 | | |
| Electrical life | (No.operatios) | 8000 | | | | | 8000 | | |
| | (No. Hourlyoperatios) | 120 | | | | | 120 | | |

| Type | | ANM7-250/320 | | | | | ANM7-400/630 | | | | | ANM7-600/800 | | | | |
|----------------------------------------------------|-----------------------|----------------|----|----|-----|-----|-----------------------|----|----|-----|-----|-----------------------------------|----|----|-----|-----|
| Rated uninterrupted current Iu(A) | (A) | 250/320 | | | | | 400/630 | | | | | 600/800/1000 | | | | |
| Poles | (Nr) | 3/4 | | | | | 3/4 | | | | | 3/4 | | | | |
| Rated service voltage Ue | (AC)50/60Hz | 690 | | | | | 690 | | | | | 690 | | | | |
| | (DC) | 750 | | | | | 750 | | | | | 750 | | | | |
| Rated impulse with stand voltage Uimp | (kV) | 8 | | | | | 8 | | | | | 8 | | | | |
| Rated insulation voltage Ui | | 1000 | | | | | 1000 | | | | | 1000 | | | | |
| Test voltage at industrial frequency for 1 min. | | 3500 | | | | | 3500 | | | | | 3500 | | | | |
| Rated ultimate short circuit breaking capacity Icu | | N | S | H | L | V | N | S | H | L | V | N | S | H | L | |
| | (AC)50/60Hz 220/230V | (kA) | 70 | 85 | 100 | 200 | 300 | 70 | 85 | 100 | 200 | 300 | 70 | 85 | 100 | 200 |
| | (AC)50/60Hz 380/415V | (kA) | 36 | 50 | 70 | 120 | 200 | 36 | 50 | 70 | 120 | 200 | 36 | 50 | 70 | 100 |
| | (AC)50/60Hz 400V | (kA) | 30 | 40 | 65 | 100 | 180 | 30 | 40 | 65 | 100 | 180 | 30 | 45 | 50 | 80 |
| | (AC)50/60Hz 500V | (kA) | 25 | 30 | 50 | 85 | 150 | 25 | 30 | 50 | 85 | 150 | 25 | 35 | 50 | 65 |
| | (AC)50/60Hz 690V | (kA) | 20 | 25 | 40 | 70 | 80 | 20 | 25 | 40 | 70 | 80 | 20 | 22 | 25 | 30 |
| Mechanical life | (No.operatios) | 20000 | | | | | 20000 | | | | | 20000 | | | | |
| | (No. Hourlyoperatios) | 240 | | | | | 120 | | | | | 120 | | | | |
| Electrical life | (No.operatios) | 8000(250A)-600 | | | | | 7000(400A)-5000(630A) | | | | | 7000(630A)-5000(800A)-4000(1000A) | | | | |
| | (No. Hourlyoperatios) | 120 | | | | | 120 | | | | | 120 | | | | |

Overall dimensions ANM7



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