

100AF MCCB

ABN100c

Metasol



ABN102c



ABN103c



ABN104c

Ratings

| Frame size | | 100AF | | | |
|--|--|---------------------------|----------|------------------|-----|
| Type and Pole | | N-Type | | | |
| 2-pole | | ABN102c | | | |
| 3-pole | | ABN103c | | | |
| 4-pole | | ABN104c | | | |
| Rated current, I _n | | 15-20-30-40-50-60-75-100A | | | |
| Rated operational voltage, U _e | | AC: 690V | | | |
| | | DC: 500V | | | |
| Rated insulation voltage, U _i | | AC: 750V | | | |
| Rated impulse withstand voltage, U _{imp} | | 8kV | | | |
| Rated short-circuit breaking capacity, I_{cu} | | N-Type | | | |
| AC 690V | | 5kA | | | |
| 480/500V | | 10kA | | | |
| IEC 60947-2 (I _{cu}) | | 460V | | 18kA | |
| I _{cs} =100%I _{cu} | | 415V | | 18kA | |
| | | 380V | | 22kA | |
| | | 220/250V | | 35kA | |
| DC 500V(3P) | | 10kA | | | |
| 250V(2P) | | 10kA | | | |
| Protective function | | Overload, Short-circuit | | | |
| Type of trip unit | | Thermal-Magnetic | | | |
| Magnetic trip range | | 400A | | | |
| Endurance | | Mechanical | | 25000 operations | |
| | | Electrical | | 10000 operations | |
| Connection | | Standard | | Front connection | |
| | | Optional | | Rear connection | |
| | | | | Plug-in | |
| Mounting | | Standard | | Screw fixing | |
| Dimensions (mm) | | Pole | 2p | 3p | 4p |
| | | a | 50 | 75 | 100 |
| | | b | 130 | 130 | 130 |
| | | c1 <small>Note)</small> | 60 | 60 | 60 |
| | | c2 <small>Note)</small> | 64 | 64 | 64 |
| | | d | 82 | 82 | 82 |
| | | Weight, kg | Standard | 0.5 | 0.7 |
| Certification | | Pole | 2p | 3p | 4p |
| CE marking | | | ○ | ○ | ○ |

Note) Depth by door cut size : c1 for large cut, c2 for small cut

For more information

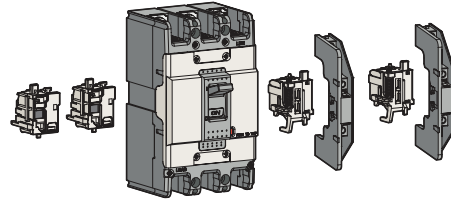
- Drawings ▶ 93 page
- Trip curves ▶ 87 page
- Accessories ▶ 72 page
- Connection and mounting ▶ 110 page

Ordering types

Breaker types

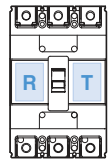
| ABN type (14kA/460V) | | | |
|----------------------|-------------|-------------|-------------|
| Rated current, In | 2-pole | 3-pole | 4-pole |
| 15 A | ABN102c/15 | ABN103c/15 | ABN104c/15 |
| 20 A | ABN102c/20 | ABN103c/20 | ABN104c/20 |
| 30 A | ABN102c/30 | ABN103c/30 | ABN104c/30 |
| 40 A | ABN102c/40 | ABN103c/40 | ABN104c/40 |
| 50 A | ABN102c/50 | ABN103c/50 | ABN104c/50 |
| 60 A | ABN102c/60 | ABN103c/60 | ABN104c/60 |
| 75 A | ABN102c/75 | ABN103c/75 | ABN104c/75 |
| 100 A | ABN102c/100 | ABN103c/100 | ABN104c/100 |

Accessories



Electrical auxiliaries

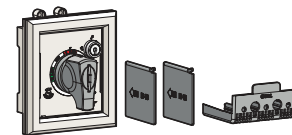
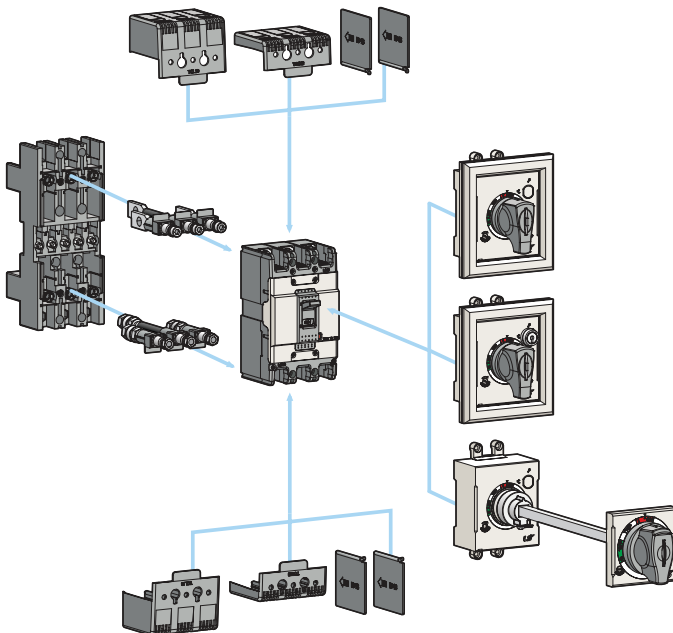
| | |
|--------------|--------------------|
| AX | Auxiliary Switch |
| AL | Alarm Switch |
| AX+AL | Combination switch |
| SHT | Shunt Trip |
| UVT | Undervoltage trip |



Maximum possibilities

| | |
|-------------------|-----------------------------|
| T-position | One of above auxiliaries |
| R-position | Option of AX or AL or AX+AL |

Note) For more detail see 72 page



External accessories

| ABN100c | Name |
|---------------|----------------------------------|
| IB13 | Insulation barrier |
| TCL13 | Terminal cover (Long) |
| TCS13 | Terminal cover (Short) |
| DH100 | Rotary handle (Direct) |
| DHK100 | Rotary handle (Direct, Key lock) |
| EH100 | Rotary handle (Extended) |
| RTB1 | Rear terminal (Bar) |
| RTR1 | Rear terminal (Round) |
| PB-A3 | Plug-in kit |
| PHL100 | Pad handle lock |

Note) For more detail see 80 page