

# A9N18468

Miniature circuit breaker (MCB), Acti9 C120H,  
3P, 80A, C curve, 15000A (IEC/EN 60898-1),  
15kA (IEC/EN 60947-2)



## Main

|                           |                                                                                                                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product          | C120                                                                                                                                                                                                                                             |
| Range                     | Acti9                                                                                                                                                                                                                                            |
| Product name              | C120                                                                                                                                                                                                                                             |
| Product or Component Type | Miniature circuit-breaker                                                                                                                                                                                                                        |
| Device short name         | C120H                                                                                                                                                                                                                                            |
| Device Application        | Distribution                                                                                                                                                                                                                                     |
| Poles description         | 3P                                                                                                                                                                                                                                               |
| Number of protected poles | 3                                                                                                                                                                                                                                                |
| Line Rated Current        | 80 A 86 °F (30 °C)                                                                                                                                                                                                                               |
| Network type              | AC                                                                                                                                                                                                                                               |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                                 |
| Curve code                | C                                                                                                                                                                                                                                                |
| Breaking capacity         | 15000 A Icn 230...400 V AC 50/60 Hz EN/IEC 60898-1<br>10 KA Icu 440 V AC 50/60 Hz EN/IEC 60947-2<br>15 KA Icu 380...415 V AC 50/60 Hz EN/IEC 60947-2<br>30 KA Icu 220...240 V AC 50/60 Hz EN/IEC 60947-2<br>15 kA Icu <= 375 V DC EN/IEC 60947-2 |
| Suitability for isolation | Yes IEC 60947-2                                                                                                                                                                                                                                  |

## Complementary

|                                                  |                                                                                                                                                                                                                                                                 |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Frequency                                | 50/60 Hz                                                                                                                                                                                                                                                        |
| [Ue] rated operational voltage                   | <= 375 V DC<br>380...415 V AC 50/60 Hz<br>220...240 V AC 50/60 Hz<br>440 V AC 50/60 Hz<br>230...400 V AC 50/60 Hz                                                                                                                                               |
| Magnetic tripping limit                          | 5...10 x In                                                                                                                                                                                                                                                     |
| [Ics] rated service breaking capacity            | 7500 A 50 % EN/IEC 60898-1 - 230...400 V AC 50/60 Hz<br>5 KA 50 % EN/IEC 60947-2 - 440 V AC 50/60 Hz<br>15 KA 50 % EN/IEC 60947-2 - 220...240 V AC 50/60 Hz<br>7.5 KA 50 % EN/IEC 60947-2 - 380...415 V AC 50/60 Hz<br>15 kA 100 % EN/IEC 60947-2 - <= 375 V DC |
| Limitation class                                 | 3 EN/IEC 60947-2                                                                                                                                                                                                                                                |
| [Ui] rated insulation voltage                    | 500 V AC 50/60 Hz EN/IEC 60947-2                                                                                                                                                                                                                                |
| [Uimp] rated impulse withstand voltage           | 6 kVEN/IEC 60947-2                                                                                                                                                                                                                                              |
| Contact position indicator                       | Yes                                                                                                                                                                                                                                                             |
| Control Type                                     | Toggle                                                                                                                                                                                                                                                          |
| Local signalling                                 | ON/OFF indication                                                                                                                                                                                                                                               |
| Mounting Mode                                    | Clip-on                                                                                                                                                                                                                                                         |
| Mounting Support                                 | 35 mm symmetrical DIN rail                                                                                                                                                                                                                                      |
| Comb busbar and distribution block compatibility | YES                                                                                                                                                                                                                                                             |
| 9 mm pitches                                     | 9                                                                                                                                                                                                                                                               |
| Height                                           | 3.19 in (81 mm)                                                                                                                                                                                                                                                 |
| Depth                                            | 2.87 in (73 mm)                                                                                                                                                                                                                                                 |
| Width                                            | 3.19 in (81 mm)                                                                                                                                                                                                                                                 |
| Net Weight                                       | 1.36 lb(US) (0.615 kg)                                                                                                                                                                                                                                          |

|                             |                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Color                       | White                                                                                                                                                                       |
| Mechanical durability       | 20000 cycles                                                                                                                                                                |
| Electrical durability       | 5000 cycles IEC 60947-2                                                                                                                                                     |
| Locking options description | Handle sealable with cable diameter 0.7mm in OFF or ON position                                                                                                             |
| Connections - terminals     | Tunnel type terminals 0.00...0.08 in <sup>2</sup> (1...50 mm <sup>2</sup> ) rigid<br>Tunnel type terminals 0.00...0.05 in <sup>2</sup> (1.5...35 mm <sup>2</sup> ) flexible |
| Wire stripping length       | 0.59 in (15 mm)                                                                                                                                                             |
| Tightening torque           | 30.98 lbf.in (3.5 N.m)                                                                                                                                                      |
| Earth-leakage protection    | Separate block                                                                                                                                                              |

## Environment

|                                       |                                  |
|---------------------------------------|----------------------------------|
| Standards                             | EN/IEC 60898-1<br>EN/IEC 60947-2 |
| Product Certifications                | EAC                              |
| IP degree of protection               | IP20 conforming to IEC 60529     |
| Pollution degree                      | 3 IEC 60947-2                    |
| Overvoltage category                  | IV                               |
| Tropicalisation                       | 2 IEC 60068-1                    |
| Relative humidity                     | 95 % 131 °F (55 °C)              |
| Operating altitude                    | 6561.68 ft (2000 m)              |
| Ambient Air Temperature for Operation | -22...140 °F (-30...60 °C)       |
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)       |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10DE200919  |
| Discount Schedule | 0DE2          |
| GTIN              | 3606480380396 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 2.87 in (7.3 cm)         |
| Package 1 Width              | 3.15 in (8 cm)           |
| Package 1 Length             | 3.43 in (8.7 cm)         |
| Package 1 Weight             | 20.46 oz (580 g)         |
| Unit Type of Package 2       | BB1                      |
| Number of Units in Package 2 | 4                        |
| Package 2 Height             | 3.35 in (8.5 cm)         |
| Package 2 Width              | 3.66 in (9.3 cm)         |
| Package 2 Length             | 12.99 in (33 cm)         |
| Package 2 Weight             | 5.26 lb(US) (2.386 kg)   |
| Unit Type of Package 3       | S03                      |
| Number of Units in Package 3 | 24                       |
| Package 3 Height             | 11.81 in (30 cm)         |
| Package 3 Width              | 11.81 in (30 cm)         |
| Package 3 Length             | 15.75 in (40 cm)         |
| Package 3 Weight             | 32.53 lb(US) (14.757 kg) |

## Offer Sustainability

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                        |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                            |
| REACH free of SVHC         | Yes                                                                                                                          |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a>                                                                                |
| Toxic heavy metal free     | Yes                                                                                                                          |
| Mercury free               | Yes                                                                                                                          |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                       |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                          |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                |
| Circularity Profile        | No need of specific recycling operations                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|