



### Main

|                           |                                                                                                                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | C120                                                                                                                                                                                                                              |
| Range                     | Acti 9                                                                                                                                                                                                                            |
| Product name              | C120                                                                                                                                                                                                                              |
| Product or component type | Miniature circuit-breaker                                                                                                                                                                                                         |
| Device short name         | C120H                                                                                                                                                                                                                             |
| Device application        | Distribution                                                                                                                                                                                                                      |
| Poles description         | 1P                                                                                                                                                                                                                                |
| Number of protected poles | 1                                                                                                                                                                                                                                 |
| [In] rated current        | 80 A                                                                                                                                                                                                                              |
| Network type              | AC<br>DC                                                                                                                                                                                                                          |
| Trip unit technology      | Thermal-magnetic                                                                                                                                                                                                                  |
| Curve code                | C                                                                                                                                                                                                                                 |
| Breaking capacity         | 15 kA Icu conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz<br>20 kA Icu conforming to EN/IEC 60947-2 - 12 V DC<br>20 kA Icu conforming to EN/IEC 60947-2 - 125 V DC<br>15 kA Icu conforming to EN/IEC 60947-2 - <= 144 V DC |

### Complementary

|                                        |                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                      | 50/60 Hz                                                                                                                                                                                                                                                                                                                  |
| [Ue] rated operational voltage         | <= 144 V DC<br>12 V DC<br>125 V DC<br>230...400 V AC 50/60 Hz                                                                                                                                                                                                                                                             |
| Magnetic tripping limit                | 8 x In +/- 20 %                                                                                                                                                                                                                                                                                                           |
| [Ics] rated service breaking capacity  | 7.5 kA at 50 % of breaking cap. conforming to EN/IEC 60947-2 - 230...400 V AC 50/60 Hz<br>15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 125 V DC<br>20 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - 12 V DC<br>15 kA at 100 % of breaking cap. conforming to EN/IEC 60947-2 - <= 144 V DC |
| Limitation class                       | 3 conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                            |
| [Ui] rated insulation voltage          | 500 V AC 50/60 Hz conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                            |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-2                                                                                                                                                                                                                                                                                         |
| Control type                           | Toggle                                                                                                                                                                                                                                                                                                                    |
| Local signalling                       | ON/OFF indication                                                                                                                                                                                                                                                                                                         |

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| Mounting mode            | Clip-on                                                                               |
| Mounting support         | 35 mm symmetrical DIN rail                                                            |
| 9 mm pitches             | 3                                                                                     |
| Height                   | 81 mm                                                                                 |
| Width                    | 27 mm                                                                                 |
| Depth                    | 73 mm                                                                                 |
| Product weight           | 0.205 kg                                                                              |
| Colour                   | White                                                                                 |
| Mechanical durability    | 20000 cycles                                                                          |
| Electrical durability    | 5000 cycles                                                                           |
| Connections - terminals  | Tunnel type terminals 1.5...35 mm² flexible<br>Tunnel type terminals 1...50 mm² rigid |
| Wire stripping length    | 15 mm                                                                                 |
| Tightening torque        | 3.5 N.m                                                                               |
| Earth-leakage protection | Without                                                                               |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | EN/IEC 60947-2               |
| IP degree of protection               | IP20 conforming to IEC 60529 |
| Pollution degree                      | 3 conforming to IEC 60947-2  |
| Overvoltage category                  | III                          |
| Tropicalisation                       | 2 conforming to IEC 60068-1  |
| Relative humidity                     | 95 % 55 °C                   |
| Ambient air temperature for operation | -30...70 °C                  |
| Ambient air temperature for storage   | -40...80 °C                  |

## Offer Sustainability

|                        |                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| RoHS (date code: YYWW) | Compliant - since 1212 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                  | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |

## Contractual warranty

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