



HES051BC

### Moulded Case Circuit Breaker h3+ P160 MAG 4P4D 50A 70kA CTC

#### Technical Features

##### Electric current

|                                                                                    |       |
|------------------------------------------------------------------------------------|-------|
| Rated current                                                                      | 50 A  |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 400 V AC IEC 60947-2 | 70 kA |
| Rated ultimate short-circuit breaking capacity $I_{cu}$ under 240 V AC IEC 60947-2 | 85 kA |
| Rated service breaking capacity $I_{cs}$ under 230 V AC according to IEC 60947-2   | 85 kA |
| Rated service breaking capacity $I_{cs}$ under 400 V AC according to IEC 60947-2   | 50 kA |

##### Architecture

|                           |                |
|---------------------------|----------------|
| Number of poles           | 4              |
| Control/operation element | Toggle         |
| Device construction type  | Fixed built-in |
| Neutral position          | Left           |

##### Frequency

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

##### Voltage

|                                           |        |
|-------------------------------------------|--------|
| Rated impulse withstand voltage $U_{imp}$ | 8000 V |
| Rated insulation voltage $U_i$            | 800 V  |

##### Functions

|           |           |
|-----------|-----------|
| Trip unit | MAG (ICB) |
|-----------|-----------|

##### Power

|                              |         |
|------------------------------|---------|
| Total power loss under $I_N$ | 22.50 W |
|------------------------------|---------|

##### Endurance

|                                        |       |
|----------------------------------------|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations        | 40000 |

##### Safety

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP4X |
|-------------------------------|------|

##### Connection

|                                  |                        |
|----------------------------------|------------------------|
| Cross-section flexible conductor | 6 - 70 mm <sup>2</sup> |
| Cross-section rigid conductor    | 6 - 95 mm <sup>2</sup> |

##### Installation, mounting

|                               |          |
|-------------------------------|----------|
| Nominal tightening torque     | 6 - 6 Nm |
| Mounting-/Connection Position | Front    |

##### Connectivity

|                    |                |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

##### Cover, door

|               |     |
|---------------|-----|
| Interlockable | Yes |
|---------------|-----|

##### Cable

|                |        |
|----------------|--------|
| Cable material | Copper |
|----------------|--------|

##### Dimensions

|        |        |
|--------|--------|
| Height | 130 mm |
| Width  | 120 mm |
| Depth  | 97 mm  |

##### Compatibility

|                                 |     |
|---------------------------------|-----|
| Compatible with RDC AOB         | No  |
| Suitable for DIN Rail           | No  |
| Suitable for distribution board | Yes |

**Installation, mounting**

|                                         |          |
|-----------------------------------------|----------|
| Nominal tightening torque down terminal | 6 - 6 Nm |
| Nominal tightening torque top terminal  | 6 - 6 Nm |

**Electrical protection**

|                                                         |    |
|---------------------------------------------------------|----|
| Instantaneous protection (li): dial setting coefficient | 6  |
|                                                         | 8  |
|                                                         | 10 |
|                                                         | 12 |

**Sustainability**

|                 |     |
|-----------------|-----|
| REACH-SVHC free | Yes |
| RoHS conform    | Yes |