

CIRCUIT BREAKER 240V 14KA, 1-POLE, B, 15A,  
D=70MM ACC. TO UL 489, SAME POLARITY



Figure similar

| General technical data  |    |  |
|---|----|--|
| Number of poles   |    | 1  |
| Number of poles / Note  |    | 1P   |
| Tripping characteristic class   |    | B  |
| Installation environment regarding EMC  |    | Suitable for environment B (immunity to interference not applicable) |
| circuit-breaker / Design  |    | 5SJ4   |
| Mechanical service life (switching cycles) / typical                                    |    | 20 000   |
| Equipment marking / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 |    | F  |
| Overvoltage category  |    | 3  |
| Voltage   |    |  |
| Insulation voltage / with AC / Rated value  | V  | 440  |
| Supply voltage  |    |  |
| Supply voltage frequency / Rated value  | Hz | 50   |
| Protection class  |    |  |
| Protection class IP   |    | IP20, with connected conductors, IP 40 in the handle range           |
| Switching capacity  |    |  |
| Switching capacity current  |    |  |
| • acc. to EN 60898 / Rated value  | kA | 10   |
| • acc. to IEC 60947-2 / Rated value   | kA | 15   |
| Dissipation   |    |  |
| Active power loss   |    |  |

- for rated value of the current / with AC / in hot operating state / per pole

|   |     |
|---|-----|
| W | 2.2 |
|---|-----|

### Electricity

|  |   |    |
|--|---|----|
| rated current $I_n$ / IEC, DIN/VDE / at 40 Cel | A | 15 |
| Current / with AC / Rated value                | A | 15 |

### Main circuit

|  |   |     |
|--|---|-----|
| <b>Operating voltage</b>   |   |     |
| • minimum  | V | 24  |
| • with AC / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum            | V | 120 |
| • for DC / 1-channel / acc. to UL 489 and CSA C22.2 No. 5-02 / maximum | V | 60  |
| • for DC / Rated value / maximum                                       | V | 60  |

### Product details

|  |  |     |
|--|--|-----|
| Product feature / Touch protection                           |  | Yes |
| <b>Product component</b>                                     |  |     |
| • Tunnel terminals top                                       |  | No  |
| • Tunnel terminals bottom                                    |  | No  |
| • combined terminal top                                      |  | Yes |
| • combined terminal bottom                                   |  | Yes |
| <b>Product property</b>                                      |  |     |
| • halogen-free   |  | Yes |
| • sealable   |  | Yes |
| • silicon-free   |  | Yes |
| Product expansion / can be installed / supplementary devices |  | Yes |

### Product function

|                               |  |  |
|-------------------------------|--|--|
| <b>Product function</b>       |  |  |
| • Note                        |  | Terminal tightening torque for Cu, 60/75°C;<br>3.5Nm/31lb.in |
| • neutral conductor switching |  | No   |

### Short circuit

|   |    |    |
|---|----|----|
| Breaking capacity short-circuit current ( $I_{cn}$ ) / with AC / acc. to UL 1077 and CSA C22.2 No.235 | kA | 14 |
|---|----|----|

### Number

|  |  |   |
|--|--|---|
| Number of test cycles / for environmental testing / acc. to IEC 60068-2-30 |  | 6 |
|--|--|---|

### Connections

|  |                 |      |
|--|-----------------|------|
| Connectable conductor cross-section / finely stranded / with core end processing |                 |      |
| • minimum  | mm <sup>2</sup> | 0.75 |

|                                 |                 |     |
|---------------------------------|-----------------|-----|
| • maximum                       | mm <sup>2</sup> | 25  |
| Position / of power supply cord |                 | Any |

### Mechanical Design

|                       |    |                           |
|-----------------------|----|---------------------------|
| Height                | mm | 90                        |
| Width                 | mm | 18                        |
| Depth                 | mm | 70                        |
| mounting position     |    | any                       |
| Installation depth    | mm | 70                        |
| Number of width units |    | 1                         |
| Mounting type         |    | on standard mounting rail |

### Environmental conditions

|  |    |  |
|--|----|--|
| Influence of the surrounding temperature     |    | max. 95% humidity  |
| Vibration resistance                         |    | 50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec) |
| Vibration resistance / acc. to IEC 60068-2-6 |    | 50 m/s <sup>2</sup> at 25 to 150Hz and 60m/s <sup>2</sup> at 35Hz (4sec) |
| Ambient temperature                          |    |  |
| • minimum                                    | °C | -25  |
| • maximum                                    | °C | 55   |
| • during storage / minimum                   | °C | -40  |
| • during storage / maximum                   | °C | 75   |

### Certificates

|                          |  |   |
|--------------------------|--|---|
| Equipment marking        |  |   |
| • acc. to DIN EN 61346-2 |  | F |
| • acc. to DIN EN 81346-2 |  | F |

### General Product Approval

### Declaration of Conformity



### Test Certificates

[other](#)

### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SJ41186HG40>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/5SJ41186HG40/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

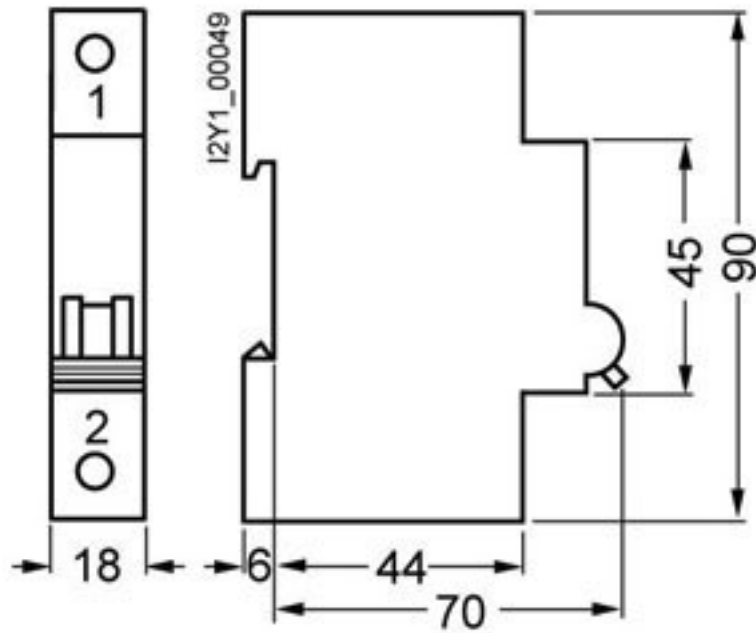
[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SJ41186HG40](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SJ41186HG40)

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



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