

RC unit for 5SL4, 4-pole, type AC, In: 40 A, 30 mA, Un AC: 400 V



| Model                                                           |                                                                         |
|-----------------------------------------------------------------|-------------------------------------------------------------------------|
| product brand name                                              | SENTRON                                                                 |
| product designation                                             | RCD-unit                                                                |
| design of the product                                           | Instantaneous                                                           |
| product type designation                                        | 5SM2                                                                    |
| product variations                                              | for 5SL4                                                                |
| General technical data                                          |                                                                         |
| number of poles                                                 | 4                                                                       |
| design of pole                                                  | 4 poles                                                                 |
| size of installation devices according to DIN 43880             | 1                                                                       |
| touch protection against electrical shock according to EN 50274 | Finger and back-of-hand safe                                            |
| mechanical service life (operating cycles) typical              | 10 000                                                                  |
| overvoltage category                                            | III                                                                     |
| degree of pollution                                             | 2                                                                       |
| Voltage                                                         |                                                                         |
| type of voltage of the operating voltage                        | AC                                                                      |
| insulation voltage (Ui) rated value                             | 460 V                                                                   |
| surge voltage resistance rated value                            | 4 000 V                                                                 |
| tripping fault current rated value                              | 30 mA                                                                   |
| operational current                                             |                                                                         |
| • at 40 °C rated value                                          | 37.2 A                                                                  |
| • at 45 °C rated value                                          | 37.2 A                                                                  |
| • at 50 °C rated value                                          | 36 A                                                                    |
| • at 55 °C rated value                                          | 34.8 A                                                                  |
| • at 60 °C rated value                                          | 34 A                                                                    |
| • at 65 °C rated value                                          | 33.2 A                                                                  |
| • at 70 °C rated value                                          | 32 A                                                                    |
| • at AC rated value                                             | 40 A                                                                    |
| residual current type                                           | AC                                                                      |
| supply voltage                                                  |                                                                         |
| • at AC                                                         | 400 V                                                                   |
| • for testing equipment minimum                                 | 195 V                                                                   |
| value range of the supply voltage frequency                     | 50 Hz                                                                   |
| value range of the operating frequency                          | 50 Hz                                                                   |
| Protection class                                                |                                                                         |
| protection class IP                                             | IP20, if the distribution board is installed, with connected conductors |
| protection function false tripping                              | Yes                                                                     |
| Dissipation                                                     |                                                                         |
| power loss [W]                                                  |                                                                         |
| • for rated value of the current at AC in hot operating state   | 3.6 W                                                                   |

per pole  
• maximum

10.8 W

#### Product details

product feature

- OFF-delay time adjustable
- rated fault current adjustable
- sealable

No  
No  
No

#### Connections

connectable conductor cross-section solid

- minimum
- maximum

1.5 mm<sup>2</sup>  
25 mm<sup>2</sup>

connectable conductor cross-section stranded

- minimum
- maximum

1.5 mm<sup>2</sup>  
25 mm<sup>2</sup>

tightening torque with screw-type terminals

- minimum
- maximum

2.5 N·m  
3 N·m

position of power supply cord

top or bottom

#### Mechanical Design

height

90 mm

width

123 mm

depth

70 mm

installation depth

70 mm

number of modular width units

3

fastening method

REG

mounting position

any

net weight

380 g

#### Environmental conditions

ambient temperature during operation

- minimum
- maximum

-5 °C  
45 °C

ambient temperature during storage

- minimum
- maximum

-40 °C  
75 °C

number of test cycles for environmental testing according to IEC 60068-2-30

28

#### Approvals Certificates

##### General Product Approval



[Confirmation](#)



[Miscellaneous](#)

General Product Ap-  
proval

other

Dangerous Good

Environment



[Confirmation](#)

[Miscellaneous](#)

[Transport Information](#)

[Environmental Con-  
firmations](#)

#### Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

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

Industry Mall (Online ordering system)

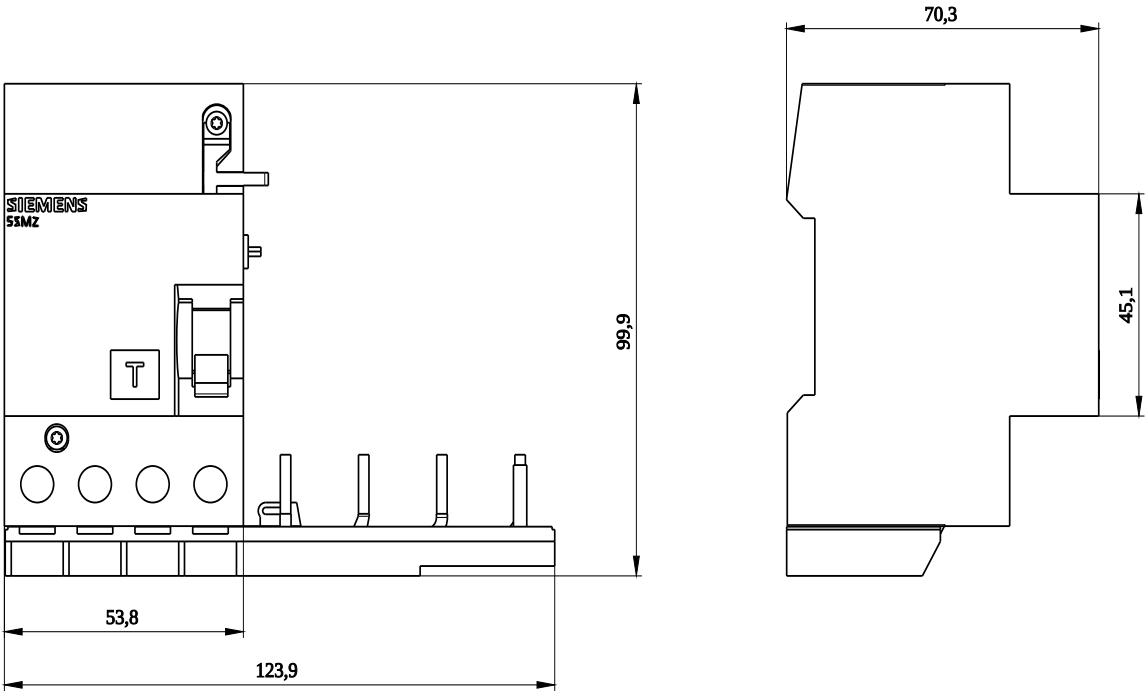
<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM2343-0>

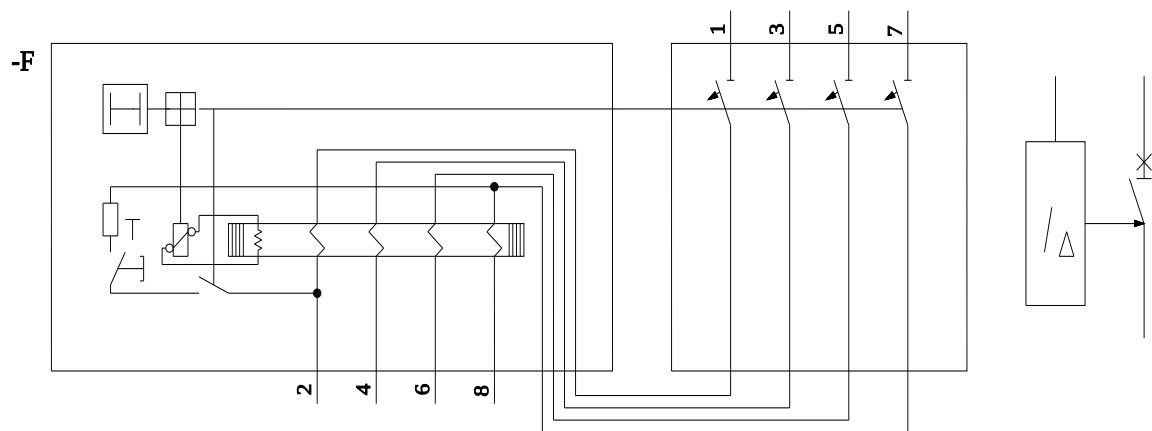
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SM2343-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SM2343-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2343-0)





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