



In-line fuse switch disconnector 3-pole selectable, Sz. 3 I=630 A, U=690 V Screw terminal M12,

| Model | |
|--|---------------------------|
| product brand name | SENTRON |
| product designation | Fuse switch disconnectors |
| design of the product | in in-line design |
| type of switching contact double breaking switching contact | No |
| design of the auxiliary release | Without |
| design of the safety monitoring | Without |
| design of the load switch strip form | Yes |
| General technical data | |
| number of poles | 3 |
| number of poles note | 3-pole switchable |
| type of device | For busbar system 185 mm |
| size of fuse link | NH2, NH3 |
| fuse system | LV HRC fuse |
| Voltage | |
| insulation voltage rated value | 1 000 V |
| operational current | |
| • at AC-21 B at 400 V rated value | 630 A |
| • at AC-21 B at 500 V rated value | 630 A |
| • at AC-21 B at 690 V rated value | 630 A |
| • at AC-23 B at 400 V rated value | 630 A |
| operating voltage | |
| • at AC rated value | 690 V |
| • at DC rated value | 440 V |
| Protection class | |
| protection class IP on the front | IP30 |
| Dissipation | |
| power loss [W] | |
| • for rated value of the current at AC in hot operating state per pole | 36.6 W |
| • maximum | 110 W |
| Main circuit | |
| operational current | |
| • rated value | 630 A |
| • with capacitive load at 400 V rated value | 361 A |
| • with capacitive load at 500 V rated value | 275 A |
| Suitability | |
| suitability for operation | System protection |
| suitability for use | |
| • main switch | No |

| | |
|-----------------------------|-----|
| • switch disconnector | Yes |
| • EMERGENCY OFF switch | No |
| • safety switch | No |
| • maintenance/repair switch | No |

Product details

| | |
|---|----|
| product component | |
| • voltage trigger | No |
| • undervoltage release | No |
| • undervoltage release with leading contact | No |

Short circuit

| conditional short-circuit current (I _q) | |
|---|--------|
| • at AC-21 B at 400 V rated value | 110 kA |
| • at AC-21 B at 500 V rated value | 110 kA |
| • at AC-21 B at 690 V rated value | 110 kA |
| • at AC-22 B at 400 V rated value | 110 kA |
| • at AC-22 B at 500 V rated value | 110 kA |
| • at AC-22 B at 690 V rated value | 110 kA |
| • at AC-23 B at 400 V rated value | 110 kA |
| • at AC-23 B at 500 V rated value | 110 kA |
| • at AC-23 B at 690 V rated value | 110 kA |

Connections

| | |
|---|----------------------|
| arrangement of electrical connectors for main current circuit | Screw terminal |
| type of electrical connection for main current circuit | screw-type terminals |

Mechanical Design

| | |
|---------------------------------|----------------------|
| height | 662 mm |
| width | 100 mm |
| depth | 195 mm |
| fastening method | Flachanschluss, M 12 |
| mounting position | vertical |
| busbar center-to-center spacing | 185 mm |
| busbar center-to-center spacing | |
| • 40 mm | No |
| • 50 mm | No |
| • 60 mm | No |
| • 100 mm | No |
| • 185 mm | Yes |
| net weight | 5.88 kg |

Environmental conditions

| | |
|--------------------------------------|--------|
| ambient temperature during operation | |
| • minimum | -25 °C |
| • maximum | 55 °C |

Approvals Certificates

| | |
|--------------------------|-------|
| General Product Approval | other |
|--------------------------|-------|



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[Confirmation](#)

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Environment

[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=3NJ4143-3BF01>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ4143-3BF01>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ4143-3BF01

CAx-Online-Generator

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

Tender specifications

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

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