



FUSE-SWITCH-DISCONNECTOR 3-POLE, NH00, 160A 40MM BUSBAR SYSTEM COVERS FOR RITTAL FLAT CONNECTOR FUSE MONITORING ELECTRONIC, EFM 10

Similar to image

General technical details:

| | | |
|--|--|--|
| Number of poles | | 3 |
| product brand name | | SENTRON |
| Product designation | | Fuse switch disconnecter |
| Fuse system | | LV HRC fuse |
| Installation size of fuse-link | | NH000, NH00 |
| Installation size of disconnecting link | | 00 and 000 |
| Type from device | | Zum Aufschnappen auf Sammelschienensystem Rittal 40 mm |
| Design of the product | | 3-pole |
| Busbar design | | Sammelschienendicke 5 oder 10 mm |
| Design of the operating mechanism | | handle unit |
| Type of the driving mechanism / motor drive | | No |
| Design of the safety monitoring | | elektronisch EFM10 |
| Number of NC contacts / for auxiliary contacts | | 0 |
| Number of NO contacts / for auxiliary contacts | | 0 |
| Number of changeover contacts / for auxiliary contacts | | 0 |
| Design of the load switch / Strip form | | No |
| Product equipment / interlock | | Yes |

| | | |
|---|---|-----|
| Product feature / sealable | | Yes |
| Product component | | |
| • phase failure monitoring | | No |
| • undervoltage release mechanism | | No |
| • undervoltage release with leading contact | | No |
| • trip indicator | | Yes |
| Acceptability for application | | |
| • switch disconnecter | | Yes |
| • emergency stop switch | | No |
| • main switch | | No |
| • safety cut-out switch | | Yes |
| • maintenance/repair switch | | Yes |
| Product function | | |
| • fuse monitoring | | Yes |
| • overvoltage protection monitoring | | No |
| Product extension | | |
| • auxiliary switch | | Yes |
| • optional | | |
| • phase failure monitoring | | Yes |
| • voltage trigger | | No |
| • overvoltage protection monitoring | | Yes |
| • locking capability | | Yes |
| • motor drive | | No |
| Continuous current | | |
| • rated value | A | 160 |
| • at 35 °C / rated value | A | 160 |
| • at 40 °C / rated value | A | 155 |
| • at 45 °C / rated value | A | 145 |
| • at 50 °C / rated value | A | 140 |
| • at 55 °C / rated value | A | 133 |
| Operating current | | |
| • at AC-21 B | | |
| • at 400 V / rated value | A | 160 |
| • at 500 V / rated value | A | 160 |
| • at 690 V / rated value | A | 160 |
| • at AC-22 B | | |
| • at 400 V / rated value | A | 160 |
| • at 500 V / rated value | A | 160 |
| • at 690 V / rated value | A | 125 |
| • at AC-23 B | | |

| | | |
|---|--------------------|-------------|
| <ul style="list-style-type: none"> • at 400 V / rated value • at 500 V / rated value • at 690 V / rated value • with capacitive load <ul style="list-style-type: none"> • at 400 V / maximum • at 500 V / maximum | A | 160 |
| | A | 63 |
| | A | 35 |
| | A | 72 |
| | A | 55 |
| Let-through current | | |
| <ul style="list-style-type: none"> • with speedy activation / maximum permissible • with closed switch / maximum permissible | kA | 15 |
| | kA | 23 |
| Conditional short-circuit current (I_q) | | |
| <ul style="list-style-type: none"> • rated value • at 500 V / with AC / with speedy activation / rated value • at 690 V / with AC / with speedy activation / rated value • with closed switch <ul style="list-style-type: none"> • at 500 V / with AC / rated value • at 690 V / with AC / rated value | kA | 80 |
| | kA | 80 |
| | kA | 80 |
| | kA | 120 |
| | kA | 120 |
| Tension d'emploi | | |
| <ul style="list-style-type: none"> • for AC / rated value | V | 230 ... 690 |
| Power factor | | |
| <ul style="list-style-type: none"> • at AC-21 B • at AC-22 B • at AC-23 B • with capacitive load | | 0.95 |
| | | 0.65 |
| | | 0.45 |
| | | -0.25 |
| Active power loss / maximum | W | 12 |
| Insulation voltage / rated value | V | 690 |
| Impulse voltage resistance / rated value | kV | 8 |
| I²t value / with closed switch / maximum permissible | kA ² ·s | 158 |
| Item designation | | |
| <ul style="list-style-type: none"> • according to DIN EN 61346-2 • according to DIN EN 81346-2 | | Q |
| | | Q |

Connection elements and terminals:

| | | |
|---|-----------------|----------------|
| Design of the electrical connection / for main current circuit | | flat connector |
| Conductor cross section that can be connected / for main contacts | | |
| <ul style="list-style-type: none"> • single- or multi-stranded • stranded | mm ² | 2.5 ... 95 |
| | mm ² | 2.5 ... 95 |
| Tightening torque | | |
| <ul style="list-style-type: none"> • with screw-type terminals | N·m | 10 ... 12 |
| Arrangement of electrical connectors / for main current circuit | | sonstige |

Degree of protection and safety class:

Protection class IP

| | |
|------------------------------------|------|
| • open | IP20 |
| • on the front | IP40 |
| • with closed switch | |
| • without cover or cable lug cover | IP30 |
| • with cover or cable lug cover | IP40 |

Degree of pollution

3

Mechanical operating cycles as operating time / typical

2,000

Ambient conditions:

Ambient temperature

| | | |
|--------------------|----|-------------|
| • during operating | °C | -25 ... +55 |
| • during storage | °C | -50 ... +80 |

Installation/mounting/dimensions:

Mounting type

| | |
|--|-----------------|
| • rail mounting | busbar mounting |
| • front mounting | Yes |
| • front mounting with central attachment | No |
| • front mounting with 4-hole attachment | No |
| • floor mounting | No |

mounting position

waagrecht oder senkrecht

Width

mm 105.8

Height

mm 215.1

Depth

mm 174.4

Largeur

| | | |
|--------------------|----|-----------|
| • du jeu de barres | mm | 12 ... 15 |
|--------------------|----|-----------|

Center line spacing

mm 40

Net weight

kg 1.12

Certificates/approvals:

General Product Approval

Declaration of Conformity



Test Certificates

Shipping Approval

[Type Test Certificates/Test Report](#)



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/3NP1133-1JB12>

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

<http://support.automation.siemens.com/WW/view/en/3NP1133-1JB12/all>

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

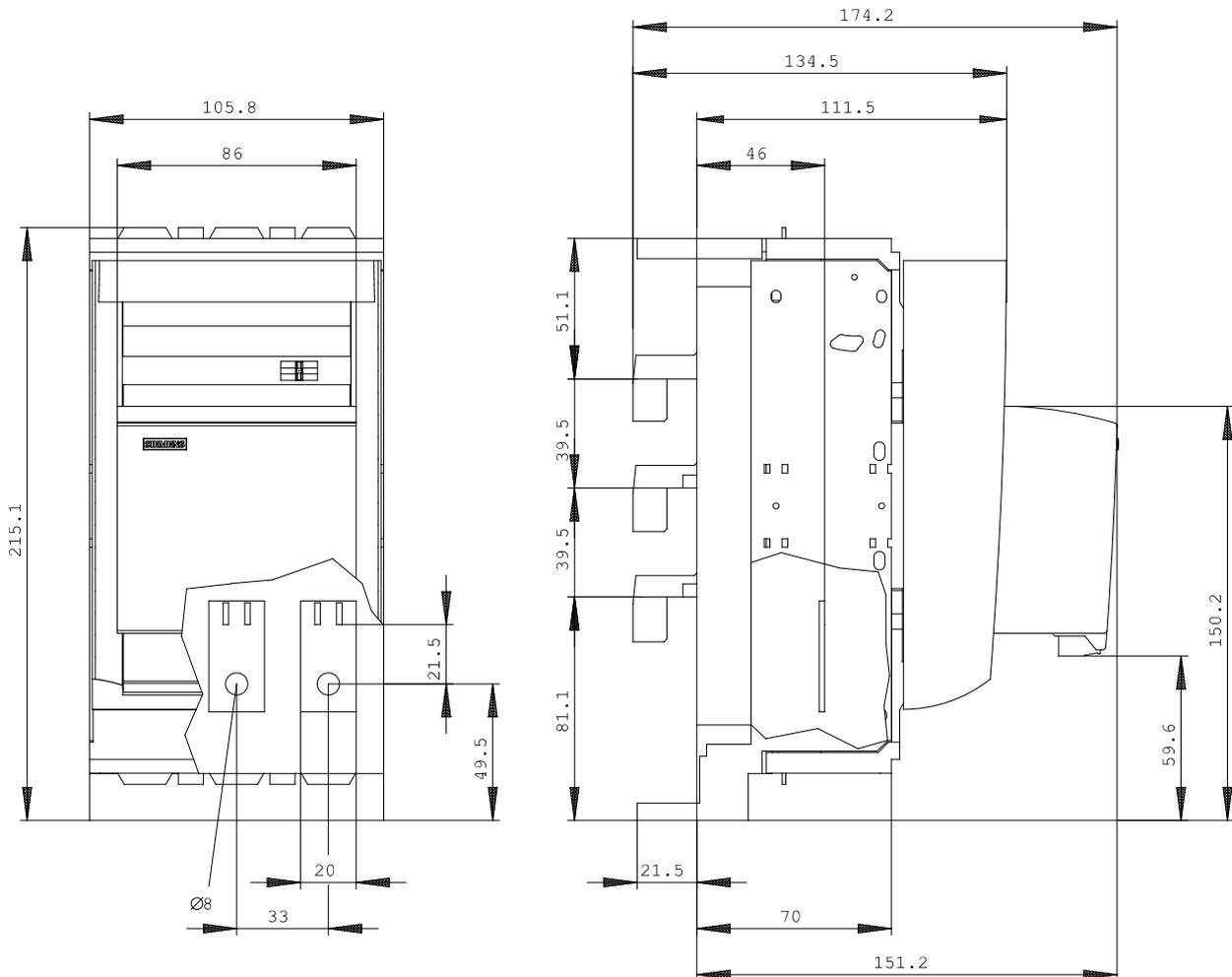
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NP1133-1JB12

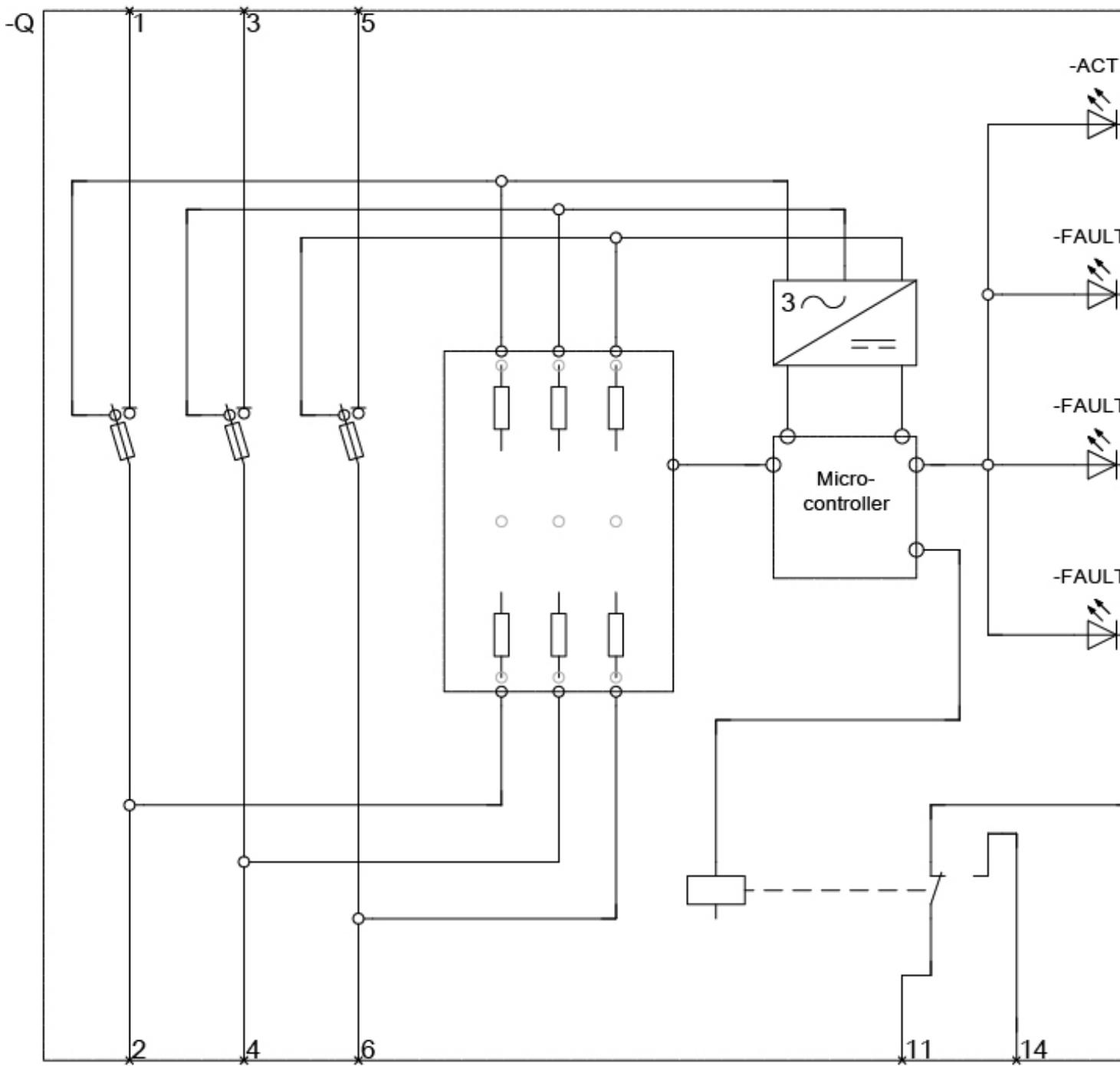
CAX-Online-Generator

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

Tender specifications

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)





last change:

Jul 7, 2014