

Switch disconnecter with fuses In-line design, pluggable NH2 400 A, 3-pole Standard switching capacity S manual operation Fuse monitoring EFM 20 without auxiliary switch without current transformer without ammeter

| Model | |
|---------------------------------------------------------------|---------------------------------------------------|
| product brand name | SETRON |
| version | With double disconnection |
| Design type | plug-in to busbars with 185mm center-line spacing |
| Type of ammeter | without |
| Type of switching contact / double breaking switching contact | Yes |
| Design of the safety monitoring | EFM 20 |
| Design of the load switch / Strip form | Yes |
| Type of the driving mechanism | manual operating mechanism |

| General technical data | |
|--------------------------------------------------------------------------------------|-----------------|
| number of poles | 3 |
| Field of application | LINE PROTECTION |
| Size of disconnecting link | 2 |
| Size of fuse link | 2 |
| power factor cos phi / in utilization category | |
| • AC-21 B / at 400 V | 0.95 |
| • AC-22 B / at 400 V | 0.65 |
| • AC-22 B / at 500 V | 0.65 |
| circuit-breaker / Design | 3NJ622 |
| Reference code / acc. to DIN 40719 extended according to IEC 204-2 / acc. to IEC 750 | Q |
| Fuse system | LV HRC fuse |

| Voltage | |
|----------------------------------------|---------|
| Rated operational voltage U_e / max. | 690 V |
| Rated insulation voltage U_i | 1 000 V |
| Insulation voltage / rated value | 1 000 V |
| Surge voltage resistance / rated value | 8 000 V |
| Operating voltage | |
| • at AC / at 50/60 Hz / rated value | 690 V |

| Protection class | |
|---------------------|------|
| Protection class IP | IP41 |

Current

| | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| rated current I_n | |
| <ul style="list-style-type: none"> • max. • at 35 Cel • at 40 Cel • at 45 Cel • at 50 Cel | <p>400 A</p> <p>400 A</p> <p>380 A</p> <p>360 A</p> <p>340 A</p> |
| Continuous current / rated value | 400 A |
| Let-through current / I_{2t} / maximum permissible / in utilization category | |
| <ul style="list-style-type: none"> • AC-21 B / at 400 V • AC-21 B / at 500 V • AC-22 B / at 400 V • AC-22 B / at 500 V | <p>2 150 000 A²·s</p> <p>2 150 000 A²·s</p> <p>2 150 000 A²·s</p> <p>2 150 000 A²·s</p> |
| Let-through current / I_c / maximum permissible / in utilization category | |
| <ul style="list-style-type: none"> • AC-21 B / at 400 V • AC-21 B / at 500 V • AC-22 B / at 400 V • AC-22 B / at 500 V | <p>55 000 A</p> <p>55 000 A</p> <p>55 000 A</p> <p>55 000 A</p> |
| Accuracy class / of the current transformer | without |

Short circuit

| | |
|---------------------------------------------------------------------------------------|-------|
| Maximum short-circuit current breaking capacity (I_{cu}) / at 400 V / rated value | 55 kA |
|---------------------------------------------------------------------------------------|-------|

Connections

| | |
|----------------------------------------------------------|----------------------|
| Type of connection, main circuit | Stud terminal, 2xM12 |
| Type of electrical connection / for main current circuit | stud terminals |

Mechanical Design

| | |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Height | 198 mm |
| Width | 590 mm |
| Depth | 308 mm |
| Type of mounting | plug-in version |
| Mounting type | pluggable |
| Busbar center-to-center spacing | 185 mm |
| Busbar center-to-center spacing | |
| <ul style="list-style-type: none"> • 40 mm • 50 mm • 60 mm • 100 mm • 185 mm | <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>Yes</p> |

Environmental conditions

| | |
|-------------------------------------------------------------|---------|
| Installation altitude / at height above sea level / maximum | 2 000 m |
| Ambient temperature / during operation | |
| • minimum | -25 °C |
| • maximum | 55 °C |

Certificates

- reference code / acc. to DIN EN 61346-2 Q

Further information

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=3NJ6223-1AC00-0AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3NJ6223-1AC00-0AA0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3NJ6223-1AC00-0AA0

CAX-Online-Generator

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

Tender specifications

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