



SURGE ARRESTER TYPE 2 REQUIREMENT
 CATEGORY C, UC 350V PLUG-IN PROTECTION
 BLOCKS 4POLE, 3+1 CIRCUIT FOR TN-S AND TT
 SYSTEMS W. REMOTE DISPLAY, NARROW DESIGN

| Model | | |
|---|--|--------------------------|
| product brand name | | SENTRON |
| Product designation | | Surge protection device |
| Design of the product | | Surge arrester |
| Type of distribution system | | TN-S and TT systems |
| Design of the switching function | | 1 CO |
| Design of the thread | | M5 |
| Signal design | | Defect signaling contact |

| General technical data | | |
|---|-----|-------|
| Response delay | ns | 25 |
| Apparent power consumption / in standby mode | mVA | 3.5 |
| Continuous operating voltage / with AC / maximum / Note | | (L-N) |
| Insulation material | | PBT |
| Residual voltage / at (8/20) μs | kV | 1.4 |
| SPD classification / acc. to EN 61643-11 / Test Class II, Type 2 | | Yes |
| Protection level | | |
| • between PE and N and/or L | kV | 1.5 |

| Voltage | | |
|--|----|--|
| Fuse protection type / at input for supply voltage | | 125A40AGL/gG (*with feed-through wiring) |
| Size of surge arrester | | 2 2/3MW (48 mm) |
| Limit voltage | | |
| • at pulse curve shape B3/C1 / at (6 kV/3 kA) / acc. to IEEE C 62.41 and BS 6651 | kV | 1 |

| | | |
|---|----|----------------------|
| <ul style="list-style-type: none"> with pulse curve shape C2 / at (10 kV/5 kA) / acc. to IEEE C 62.41 and BS 6651 | kV | 1.1 |
| <ul style="list-style-type: none"> with pulse curve shape C3 / at (20 kV/10 kA) / acc. to IEEE C 62.41 and BS 6651 | kV | 1.2 |
| Short-circuit rating | | for 125gL: 25 kA rms |
| Residual voltage | | |
| <ul style="list-style-type: none"> at 10 kA / at (8/20) μs | kV | 1.2 |
| <ul style="list-style-type: none"> at 3 kA / at (8/20) μs | kV | 1 |
| <ul style="list-style-type: none"> at 5 kA / at (8/20) μs | kV | 1.1 |
| Overvoltage category / acc. to IEC 61010-1 | | III |

Supply voltage

| | | |
|---|----|-----|
| Supply voltage frequency | | |
| <ul style="list-style-type: none"> minimum | Hz | 50 |
| <ul style="list-style-type: none"> maximum | Hz | 60 |
| Voltage Protection Rating (VPR) / acc. to UL 1449 | V | 900 |

Protection class

| | | |
|---|--|------|
| Protection class IP | | IP20 |
| Combustibility class acc. to UL 94 | | V0 |

Electricity

| | | |
|---|----|-----|
| Discharge current | | |
| <ul style="list-style-type: none"> 1 phase / at (8/20) μs / maximum | kA | 20 |
| Protection level / between N and L | kV | 1.4 |
| Surge voltage resistance / at 6 kV / at (8/20) μs | kV | 1.5 |

Main circuit

| | | |
|---|---|-----|
| Operating voltage | | |
| <ul style="list-style-type: none"> with AC / Rated value | V | 240 |

Product details

| | | |
|--|--|-----|
| Product component / remote-signaling contact | | Yes |
|--|--|-----|

Connections

| | | |
|--|-----------------|------------------------|
| Connectable conductor cross-section | | |
| <ul style="list-style-type: none"> for rigid conductor <ul style="list-style-type: none"> — minimum — maximum finely stranded <ul style="list-style-type: none"> — minimum — maximum | mm ² | 2.5 25 2.5 16 |
| Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded | | |
| <ul style="list-style-type: none"> minimum maximum | mm ² | 12 4 |

| | |
|-------------------------------|-----------------|
| Type of electrical connection | M2 screw thread |
|-------------------------------|-----------------|

Mechanical Design

| | |
|---------------|----------------------|
| Mounting type | Rail-mountable NS 35 |
|---------------|----------------------|

Environmental conditions

| | | |
|----------------------------|----|-----|
| Ambient temperature | | |
| • minimum | °C | -40 |
| • maximum | °C | 80 |

| | | |
|---------------------------------|----------------------------------|--------------------------|
| General Product Approval | Declaration of Conformity | Shipping Approval |
|---------------------------------|----------------------------------|--------------------------|



KEMA



GOST



UL



EG-Konf.



GL

other

[Environmental Confirmations](#)

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/5SD74241>

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

<http://support.automation.siemens.com/WW/view/en/5SD74241/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD74241

CAX-Online-Generator

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

Tender specifications

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

last modified:

11.03.2015