LV432814

circuit breaker Compact NSX630S - 630 A - 3 poles - without trip unit

Main

Range
Compact

Range of product
NSX400...630

Product or component type
Basic frame

Device short name
Compact NSX630S

Device application
Distribution

Circuit breaker name
Compact NSX630S

Poles description
3P

Network type
AC

Network frequency
50/60 Hz

[In] rated current
630 A (40 °C)

[U] rated insulation voltage
800 V AC 50/60 Hz conforming to IEC 60947-2

[Uimp] rated impulse withstand voltage
8 kV conforming to IEC 60947-2

[Ue] rated operational voltage
AC 50/60 Hz conforming to IEC 60947-2

Breaking capacity code
S

Breaking capacity
40 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2
25 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
65 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
100 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
120 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
90 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2

Suitability for isolation
Yes conforming to EN 60947-2
Yes conforming to IEC 60947-2

Utilisation category
Category A

Pollution degree
3 conforming to IEC 60947-1

Complementary

Control type
Toggle

Mounting mode
Fixed

Mounting support
Backplate
<table>
<thead>
<tr>
<th><strong>Upside connection</strong></th>
<th>Front</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Downside connection</strong></td>
<td>Front</td>
</tr>
<tr>
<td><strong>Protection type</strong></td>
<td>Without protection</td>
</tr>
<tr>
<td><strong>Mechanical durability</strong></td>
<td>15000 cycles conforming to IEC 60947-2</td>
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</tbody>
</table>
| **Electrical durability** | 2000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2  
4000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2  
6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2  
8000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| **Connection pitch** | 45 mm |

### Environment

| **Standards** | IEC 60947-2  
EN 60947-2  
UL 508 |
|--------------|------------------|
| **Product certifications** | UL  
CSA |
| **IP degree of protection** | IP40 conforming to IEC 60529 |
| **IK degree of protection** | IK07 conforming to IEC 62262 |
| **Ambient air temperature for operation** | -35...70 °C |
| **Ambient air temperature for storage** | -55...85 °C |

### Offer Sustainability

<table>
<thead>
<tr>
<th><strong>Sustainable offer status</strong></th>
<th>Green Premium product</th>
</tr>
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</table>
| **RoHS (date code: YYWW)** | Compliant - since 0819 - Schneider Electric declaration of conformity  
Schneider Electric declaration of conformity |
| **REACH** | Reference not containing SVHC above the threshold  
Reference not containing SVHC above the threshold |
| **Product environmental profile** | Available  
Product Environmental Profile |
| **Product end of life instructions** | Available  
End of Life Information |

### Contractual warranty

| **Warranty period** | 18 months |