

Product data sheet

Characteristics

C113050BS

Switch disconnector, ComPacT NSXm 50NA,
3 poles, thermal current I_{th} 50A, compression
lugs and busbar connectors



Main

| | |
|--------------------------------------------------|--------------------------------------------------------------------------------------|
| Range | ComPacT new generation |
| Product name | ComPacT NSXm new generation |
| Device short name | NSXm 50NA |
| Product or component type | Switch disconnector |
| Device application | Distribution |
| Poles description | 3P |
| $[I_{th}]$ conventional free air thermal current | 50 A at 40 °C |
| $[I_e]$ rated operational current | AC-23: 50 A AC 50/60 Hz AC-22: 50 A AC 50/60 Hz |
| $[U_e]$ rated operational voltage | 690 V AC 50/60 Hz |
| Network type | AC |
| Suitability for isolation | Yes conforming to EN/IEC 60947-3 |
| Utilisation category | AC-22A AC-23A |
| Breaking capacity code | NA |
| Contact position indicator | Yes |
| Visible break | No |
| Mounting mode | Fixed |
| $[I_{cw}]$ rated short-time withstand current | 900 A during 1 s 900 A during 3 s 200 A during 20 s |
| $[I_{cm}]$ rated short-circuit making capacity | 1.28 KA switch-disconnector alone 150 kA with upstream protection circuit breaker |
| Control type | Toggle |
| $[U_i]$ rated insulation voltage | 800 V AC 50/60 Hz |
| $[U_{imp}]$ rated impulse withstand voltage | 8 kV |

Complementary

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting support | 35 mm symmetrical DIN rail Backplate |
| Connection pitch | 27 mm |
| Connections - terminals | 1 crimp lug wire size 2.5...120 mm ² , rigid or stranded aluminium/copper 1 crimp lug wire size 2.5...95 mm ² , flexible aluminium/copper bars |
| Mechanical durability | 20000 cycles |
| Electrical durability | AC-22A: 20000 cycles 440 V AC 50/60 Hz $I_e/2$ AC-23A: 20000 cycles 440 V AC 50/60 Hz $I_e/2$ AC-22A: 10000 cycles 440 V AC 50/60 Hz I_e AC-23A: 10000 cycles 440 V AC 50/60 Hz I_e AC-22A: 10000 cycles 690 V AC 50/60 Hz $I_e/2$ AC-23A: 6000 cycles 690 V AC 50/60 Hz $I_e/2$ AC-22A: 5000 cycles 690 V AC 50/60 Hz I_e AC-23A: 3000 cycles 690 V AC 50/60 Hz I_e |
| Width (W) | 81 mm |
| Height (H) | 137 mm |

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| | |
|------------------------|----------------------------------|
| Depth (D) | 80 mm |
| Net weight | 1.06 kg |
| Standards | EN/IEC 60947-1 EN/IEC 60947-3 |
| Product certifications | CE[RETURN]EAC[RETURN]CCC |

Environment

| | |
|---------------------------------------|------------------------------|
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Electrical shock protection class | Class II |
| Pollution degree | 3 conforming to IEC 60664-1 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |

Packing Units

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|------------------------------|------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 9.000 cm |
| Package 1 Width | 12.000 cm |
| Package 1 Length | 21.500 cm |
| Package 1 Weight | 1.068 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 9 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 10.032 kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 216 |
| Package 3 Height | 150.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 120.000 cm |
| Package 3 Weight | 304.890 kg |

Offer Sustainability

| | |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile | No need of specific recycling operations |
| Halogen content performance | Halogen free plastic parts product |