

# Fișă tehnică produs

Specificatii



## Intreruptor ComPacT NSX250F, 36 kA la 415 VAC, unitate de declansare TMD 250A, 4 poli 4d

C25F4TM250

### Principale

|  |  |
|--|--|
| Gama   | ComPacT noua generatie   |
| nume produs  | ComPacT NSX noua generatie   |
| nume scurt al dispozitivului                               | NSX250F  |
| Tip produs sau componenta                                  | Disjunctori  |
| aplicatie a dispozitivului                                 | Distributie  |
| descriere poli   | 4P   |
| descriere poli protejati                                   | 4d   |
| pozitie neutrului  | Stanga   |
| [In] curent nominal  | 250 A la 40 °C   |
| [Ue] tensiune nominala de functionare                      | 690 V c.a. 50/60 Hz  |
| Tip retea electrica  | C.a.   |
| frecventa retea electrica                                  | 50/60 Hz   |
| adeccare pentru izolatie                                   | Da conformitate cu SR EN 60947-2   |
| categorie de utilizare                                     | Categoria A  |
| [Icu] capacitate nominala limita de rupere la scurtcircuit | 85 kA Icu la 220/240 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>36 kA Icu la 380/415 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>35 kA Icu la 440 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>30 kA Icu la 500 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>22 kA Icu la 525 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>8 kA Icu la 660/690 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>85 kA Icu la 240 V c.a. 50/60 Hz conformitate cu UL 60947-4-1<br>35 kA Icu la 480 V c.a. 50/60 Hz conformitate cu UL 60947-4-1<br>15 kA Icu la 600 V c.a. 50/60 Hz conformitate cu UL 60947-4-1 |
| Nivel de performanta                                       | F 36 kA 415 V c.a.   |
| nume unitate de declansare                                 | TM-D   |
| tehnologie unitate de declansare                           | Termo-magnetic   |
| functii de protectie a unitatii de declansare              | LI   |
| tip de control   | Comutare   |
| Modul de montare a intreruptorului                         | Fix  |

### Suplimentare

|  |                     |
|--|---------------------|
| [Ui] tensiune nominala de izolatie           | 800 V c.a. 50/60 Hz |
| [Uimp] tensiune nominala de tinere la impuls | 8 kV                |

|  |   |
|--|---|
| <b>[Ics] capacitate nominala de serviciu de rupere la scurtcircuit</b> | 85 kA la 220/240 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>36 kA la 380/415 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>35 kA la 440 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>30 kA la 500 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>22 kA la 525 V c.a. 50/60 Hz conformitate cu SR EN 60947-2<br>8 kA la 660/690 V c.a. 50/60 Hz conformitate cu SR EN 60947-2 |
| <b>durabilitate mecanica</b>   | 20000 cic   |
| <b>durabilitate electrica</b>  | 20000 cic la 440 V In/2<br>10000 cic la 440 V In<br>10000 cic la 690 V In/2<br>5000 cic la 690 V In   |
| <b>puterea disipata pe pol</b>   | 18,75 W   |
| <b>suport de montare</b>   | Placa dorsala   |
| <b>pozitie de montare</b>  | Orizantal si vertical<br>Flat on the back   |
| <b>conexiune superioara</b>  | Fata  |
| <b>conexiune inferioara</b>  | Fata  |
| <b>pasul de conectare</b>  | 35 mm   |
| <b>tip de protectie</b>  | L : for protectie la suprasarcina (termica)<br>I : for protectie la scurtcircuit (magnetica)  |
| <b>gama uitatii de declansare</b>                                      | 250 A la 40 °C  |
| <b>Tip de reglare a preluarii de lunga durata Ir (prectie termica)</b> | Reglabil  |
| <b>[Ir] interval de reglare a restabilirii pe termen lung</b>          | 0,7...1 x In  |
| <b>Tip de reglare a intarzierii de lunga durata tr</b>                 | Fix   |
| <b>[tr] reglarea intarzierii de lunga durata</b>                       | 120...400 s la 1.5 x In<br>15 s la 6 x Ir   |
| <b>Setarea protectiei neutrului</b>                                    | 1 x Ir (4d)   |
| <b>Ajustarea protectiei instantanee tip II</b>                         | Reglabil  |
| <b>[Ii] interval de reglare a restabilirii instantanee</b>             | 5...10 x In   |
| <b>protectie de scurgere la pamant</b>                                 | Fara  |
| <b>Numar de sloturi pentru auxiliare electrice</b>                     | 5 sloturi   |
| <b>Latime</b>  | 140 mm  |
| <b>Inaltime</b>  | 161 mm  |
| <b>Adancime</b>  | 86 mm   |
| <b>greutate produs</b>   | 2,8 kg  |

## Mediu

|  |                                 |
|--|---------------------------------|
| <b>standarde</b>                               | SR EN 60947-2                   |
| <b>categorie de supratensiune</b>              | III                             |
| <b>clasa de protectie la electrocutare</b>     | Clasa II pornit parte frontala  |
| <b>grad de poluare</b>                         | 3 conformitate cu SR EN 60664-1 |
| <b>grad de protectie IP</b>                    | IP40 conforming to SR EN 60529  |
| <b>grad de protectie IK</b>                    | IK07 conformitate cu IEC 62262  |
| <b>temperatura ambientala de functionare</b>   | -25...70 °C                     |
| <b>temperatura ambietala pentru depozitare</b> | -50...85 °C                     |

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|--------------------|----------|
| umiditate relativa | 0...95 % |
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|----------------------------|---|
| altitudinea de functionare | 0...2000 m fără declarare<br>2000 m...5000 m cu declarare |
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## Unitati de ambalare

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|   |     |
|---|-----|
| Unitate de masura pentru prima forma de impachetare | PCE |
|---|-----|

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|                            |   |
|----------------------------|---|
| Număr de produse în pachet | 1 |
|----------------------------|---|

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|                                     |           |
|-------------------------------------|-----------|
| Inaltime prima forma de impachetare | 14,200 cm |
|-------------------------------------|-----------|

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|                                   |           |
|-----------------------------------|-----------|
| Latime prima forma de impachetare | 14,900 cm |
|-----------------------------------|-----------|

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|                                    |           |
|------------------------------------|-----------|
| Lungime prima forma de impachetare | 19,500 cm |
|------------------------------------|-----------|

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|                     |          |
|---------------------|----------|
| Greutate colet(Lbs) | 2,659 kg |
|---------------------|----------|

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|  |     |
|--|-----|
| Unitate de masura pentru a doua forma de impachetare | S03 |
|--|-----|

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|  |   |
|--|---|
| Numar unitati in a doua forma de impachetare | 6 |
|--|---|

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|                                      |           |
|--------------------------------------|-----------|
| Inaltime a doua forma de impachetare | 30,000 cm |
|--------------------------------------|-----------|

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|                                    |           |
|------------------------------------|-----------|
| Latime a doua forma de impachetare | 30,000 cm |
|------------------------------------|-----------|

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|                                     |           |
|-------------------------------------|-----------|
| Lungime a doua forma de impachetare | 40,000 cm |
|-------------------------------------|-----------|

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|                                      |           |
|--------------------------------------|-----------|
| Greutate a doua forma de impachetare | 16,446 kg |
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## Garanție contractuală

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|                    |    |
|--------------------|----|
| Garantie (in luni) | 18 |
|--------------------|----|

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Schneider Electric isi propune sa atinga nivelul Net Zero pana in 2050 prin parteneriate la nivelul lantului de aprovizionare, materiale cu impact mai redus si circularitate, prin campania „Use Better, Use Longer, Use Again” pentru a extinde durata de viata a produselor si reciclabilitatea.

[Environmental Data explicate >](#)

[Cum evaluam sustenabilitatea produselor >](#)

### **Amprenta de mediu**

|  |  |
|--|--|
| Amprenta de carbon totala pe durata de viata             | 323 kg CO2 eq.                                   |
| Amprenta de carbon a fazei de fabricație [A1–A3]         | 15 kg CO2 eq.                                    |
| Amprenta de carbon a fazei de distribuție [A4]           | 0.8 kg CO2 eq.                                   |
| Amprenta de carbon a fazei de instalare [A5]             | 0.2 kg CO2 eq.                                   |
| Amprenta de carbon a fazei de utilizare [B2, B3, B4, B6] | 303 kg CO2 eq.                                   |
| Amprenta de carbon a fazei de sfârșit de viață [C1–C4]   | 4 kg CO2 eq.                                     |
| Raport de mediu  | <a href="#">Profilul ambiental al produsului</a> |

### **Use Better**

#### **Materiale si ambalare**

|                             |   |
|-----------------------------|---|
| Pachet cu carton reciclabil | Da  |
| Ambalaj fara plastic        | Da  |
| Numar SCIP                  | 3874e08b-fcb8-4aa9-87c4-d36abebf2833              |
| Directiva RoHS a UE         | <a href="#">Conform Prin Scutire</a>              |
| Regulamentul REACH          | <a href="#">Referința conține SVHC peste prag</a> |
| Statut de indemn de halogen | Produsul conține halogeni peste pragurile admise  |
| Nu contine PVC              | Da  |

### **Use Longer**

#### **Prelungire durata de viata**

|          |    |
|----------|----|
| Reparare | Nu |
|----------|----|

### **Use Again**

#### **Reambalare si refabricare**

|  |  |
|--|--|
| Potentialul de reciclabilitate, in %   | 54   |
| Profil circularitate                   | <a href="#">Informatii privind sfarsitul duratei de viata</a>  |
| Preluare la sfarsitul duratei de viata | Da   |
| Eticheta WEEE                          |  În Uniunea Europeana, produsele trebuie reciclate respectand sistemul specific de colectare a deseurilor si nu trebuie sa ajunga in pubelele de colectare a deseurilor menajere. |

Offer Marketing Illustration

Product benefits / Features

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**ComPacT NSX**  
Range Accessories

Wireless auxiliary contact

Short terminal shield

Interphase barriers

Long terminal shield

Rotary handles

Standard auxiliary contact

MN undervoltage release

MX shunt release

Standard motor mechanism module

The image displays a collection of accessories for the ComPacT NSX circuit breaker range. At the top left, a green circular graphic partially overlaps a photograph of the main circuit breaker unit. Below this, the title 'ComPacT NSX Range Accessories' is presented in a bold, sans-serif font. The accessories are arranged in a 3x3 grid, each accompanied by a small product photograph and a descriptive label. The labels are: 'Wireless auxiliary contact' (a small green and white component), 'Short terminal shield' (a black rectangular shield), 'Interphase barriers' (a black vertical barrier), 'Long terminal shield' (a larger black rectangular shield), 'Rotary handles' (two black rotary handles with green accents), 'Standard auxiliary contact' (a white rectangular component with two terminals), 'MN undervoltage release' (a black rectangular component with a white label), 'MX shunt release' (a yellow and black component with a white label), and 'Standard motor mechanism module' (a black rectangular component with a handle).

Offer Marketing Illustration

Product benefits / Features

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Offer Marketing Illustration

Product benefits / Features

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### ComPacT NSX

#### Technical Benefits

- Nominal current: 16 to 630 A and 9 breaking capacities for the 2 sizes of circuit breakers
- 1, 2, 3, and 4 pole versions available
- Large range of electronic and thermal-magnetic protections
- Plug and ready wiring system and communicating accessories
- Integrated earth leakage protection via MicroLogic Vigi (earth leakage circuit breaker - ELCB)
- Advanced trip unit with integrated power metering: I, U, P, E, THD, f, CosPhi

Offer Marketing Illustration

Product benefits / Features

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## ComPacT NSX

### Moulded Case Circuit Breaker



**Protection begins with prevention**  
Designed to prevent an electrical fire through integrated earth leakage protection with preventive maintenance thanks to its Everlink power connections.



**Maximize power availability**  
By providing corrective, preventive, and predictive maintenance for asset management thanks to our advanced MicroLogic trip units.



**Connectivity**  
Designed to connect to EcoStruxure Power, an IoT-connected architecture for improving every aspect of your power distribution system.



Technical Illustration

Assembly's dimensions

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