

# Product datasheet

Specifications

## trip unit - STR53UE FI - 4 poles 4d



32426

⚠ Discontinued on: 1 Nov 2020

⚠ Discontinued

### Main

|                                |  |
|--------------------------------|--|
| Range                          | ComPact  |
| Range of product               | NR400...630  |
| Product or component type      | Trip unit  |
| Trip unit name                 | STR53UE FI   |
| Trip unit technology           | Electronic   |
| Range compatibility            | ComPact NR400<br>ComPact NR630   |
| Device application             | Distribution   |
| Number of poles                | 4P<br>3P   |
| Protected poles description    | 3t<br>3t + N/2<br>4t   |
| Neutral position               | Left   |
| Protection type                | for short time short-circuit protection<br>for instantaneous short-circuit protection<br>for overload protection (long time) |
| Trip unit rated current        | 250 A at 40 °C<br>400 A at 40 °C<br>630 A at 40 °C<br>150 A at 40 °C   |
| [Ue] rated operational voltage | <= 525 V AC 50/60 Hz   |
| Network type                   | AC   |
| Network frequency              | 50/60 Hz   |

### Complementary

|   |                        |
|---|------------------------|
| Long-time pick-up adjustment type Ir (thermal protection) | Adjustable 48 settings |
| Long-time protection delay adjustment type tr             | Adjustable             |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|   |   |
|---|---|
| <b>[tr] long-time protection delay adjustment range</b> | 12...16 s at 6 x Ir<br>138...200 s at 1.5 x Ir<br>277...400 s at 1.5 x Ir<br>3...4 s at 6 x Ir<br>34...50 s at 1.5 x Ir<br>6...8 s at 6 x Ir<br>69...100 s at 1.5 x Ir<br>8...15 s at 1.5 x Ir<br>0.2...0.74 s at 7.2 x Ir<br>0.4...0.5 s at 6 x Ir<br>1...1.4 s at 7.2 x Ir<br>1.5...2 s at 6 x Ir<br>2...2.8 s at 7.2 x Ir<br>4...5.5 s at 7.2 x Ir<br>8.2...11 s at 7.2 x Ir |
|---|---|

|  |                       |
|--|-----------------------|
| <b>Short-time protection pick-up adjustment type Isd</b> | Adjustable 8 settings |
|--|-----------------------|

|   |               |
|---|---------------|
| <b>[Isd] Short-time protection pick-up adjustment range</b> | 1.5...10 x Ir |
|---|---------------|

|  |                       |
|--|-----------------------|
| <b>Short-time protection delay adjustment type tsd</b> | Adjustable 4 settings |
|--|-----------------------|

|   |   |
|---|---|
| <b>[tsd] Short-time protection delay adjustment range</b> | 0.015...0.06 s<br>0.06...0.14 s<br>0.14...0.23 s<br>0.23...0.35 s |
|---|---|

|  |                       |
|--|-----------------------|
| <b>Instantaneous protection pick-up adjustment type Ii</b> | Adjustable 8 settings |
|--|-----------------------|

|                                    |          |
|------------------------------------|----------|
| <b>Neutral protection settings</b> | 0.5 x Ir |
|------------------------------------|----------|

|                     |         |
|---------------------|---------|
| <b>Display type</b> | Display |
|---------------------|---------|

## Environment

|                  |             |
|------------------|-------------|
| <b>Standards</b> | IEC 60947-2 |
|------------------|-------------|

|                               |                               |
|-------------------------------|-------------------------------|
| <b>Product certifications</b> | ASEFA<br>ASTA<br>KEMA<br>LCIE |
|-------------------------------|-------------------------------|

|                         |                           |
|-------------------------|---------------------------|
| <b>Pollution degree</b> | 3 conforming to IEC 60947 |
|-------------------------|---------------------------|

|                                |                              |
|--------------------------------|------------------------------|
| <b>IP degree of protection</b> | IP40 conforming to IEC 60529 |
|--------------------------------|------------------------------|

|  |             |
|--|-------------|
| <b>Ambient air temperature for operation</b> | -25...70 °C |
|--|-------------|

|  |             |
|--|-------------|
| <b>Ambient air temperature for storage</b> | -50...85 °C |
|--|-------------|

## Packing Units

|                               |     |
|-------------------------------|-----|
| <b>Unit Type of Package 1</b> | PCE |
|-------------------------------|-----|

|                                     |   |
|-------------------------------------|---|
| <b>Number of Units in Package 1</b> | 1 |
|-------------------------------------|---|

## Contractual warranty

|                             |    |
|-----------------------------|----|
| <b>Warranty (in months)</b> | 18 |
|-----------------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Longer



#### Lifetime extension

Repair

No

### Use Again



#### Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins