

# Single-Pole Phase Comparator SPPC 5, 12 - 24 kV

Phase comparators for medium voltage are used to check phase coincidence in three-phase networks. Single-pole phase comparators of type SPPC have the same construction as PFISTERER voltage detectors. This ensures a high level of both safety and reliability. With the single-pole phase comparator SPPC, phase comparison is achieved by making contact with both conductors one after the other. For reliable phase comparison, a rated frequency between 49.9 and 50.1 Hz is required, with a maximum frequency drift of 10 mHz/s.

- Nominal voltage range: **12 - 24 kV**
- Nominal frequency: **50 Hz**
- Designed and type-tested according to **IEC 61481**

## Technical description:

- Visual signalling
- Green, red and yellow LED display
- Maximum resistance to interference fields
- Self-test at switch-on
- Can be used in rain and snow
- Removeable contact electrode top piece, as forked electrode



*Picture may vary.*

## Technical Data

<b>Article no.</b>		<b>930 400 001 00141</b>
<b>Nominal voltage</b>	$U_n$ (kV)	12 - 24
<b>Nominal frequency</b>	$f_N$ (Hz)	50
<b>Suitable bag</b>		A3
<b>suitable case</b>		K3
<b>Carrying bag included</b>		no
<b>Voltage type</b>		AC
<b>Area of application</b>		Switchgear / Overhead Line
<b>Type of device</b>		complete
<b>Language on labels</b>		en
<b>Design</b>		indoor and outdoor
<b>Climate class</b>		W, N
<b>Contact electrode</b>		Fork electrode
<b>Power supply</b>		2 x Lithium batteries
<b>Type</b>		SPPC 5
<b>Type tested according to</b>		IEC 61481

## Dimensions

<b>Total length</b>	<b>L<sub>G</sub> (mm)</b>	<b>1270</b>
<b>Penetration depth</b>	<b>A<sub>i</sub> (mm)</b>	<b>450</b>
<b>Length of handle</b>	<b>L<sub>H</sub> (mm)</b>	<b>288</b>
<b>Insulating length</b>	<b>L<sub>I</sub> (mm)</b>	<b>525</b>
<b>Transporting length</b>	<b>L<sub>T</sub> (mm)</b>	<b>730</b>
<b>Diameter of insulating element</b>	<b>d (mm)</b>	<b>24</b>