

# LSQ

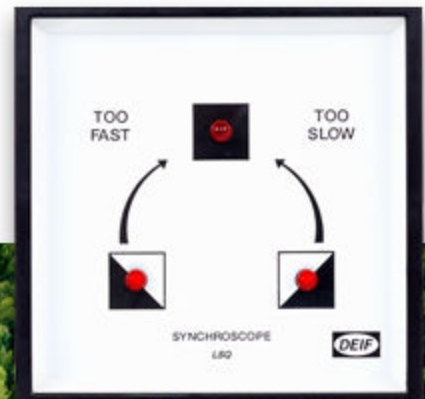
Lamp synchrosopes

Data sheet

4921240073F



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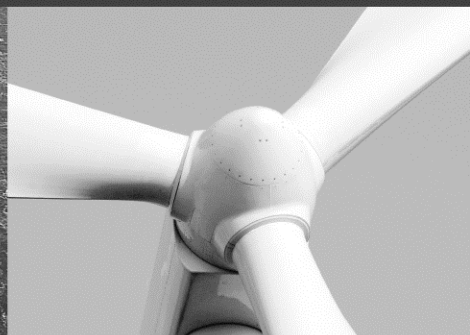
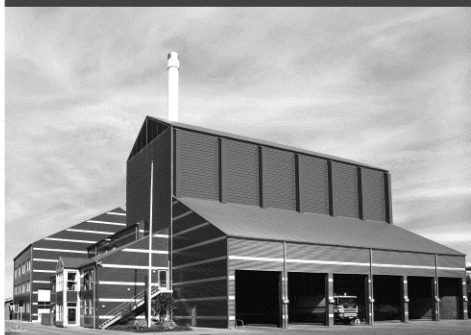




-power in control



## DATA SHEET



### Lamp synchroscopes, LSQ

- For indication of phase and voltage accordance
- Robust, 3-lamp synchroscope
- DIN standard size: Q96



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## Available types

Type	LSQ96
Size	96 x 96 mm

## Application/function

The lamp synchroscope is applied for indication of phase and voltage accordance between generator and busbar. The LSQ is CE-marked for residential, commercial and light industry plus industrial environment.

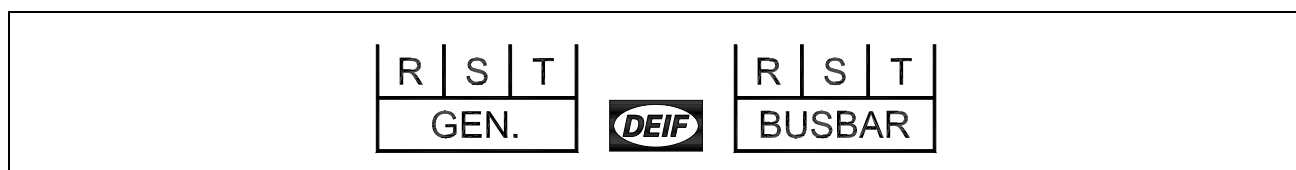
The synchroscope is equipped with three LEDs and is housed in a DIN standard case.

The LEDs are lit in turn if all phase voltages are present. When the phases and voltages of the generator are in accordance with those of the busbar, the top LED is switched off, while the two others are lit with half intensity.

## Technical specifications

Measuring voltage:	100-110V AC, 220-230-240V AC, 380-415-440V AC $\pm 20\%$
Frequency range:	40...70 Hz
Temperature:	-10...55°C (nominal) -25...60°C (operating) -25...65°C (storage)
Shock test:	15 g - 6 times - 3 directions, 50 g/6 ms, 22 g/20 ms
Measuring current:	0...4 mA per phase between $V_{GEN}$ and $V_{BB}$
Galvanic separation:	None. Only 100 k $\Omega$ between busbar and generator input, which will cause the generator voltage to be measurable on an unloaded busbar
EMC:	To IEC/EN 61000-6-2/3
Materials:	All plastic materials are self-extinguishing to UL94 (V0)
Connections:	Max. 2.5 mm <sup>2</sup> (multi-stranded). Max. 4 mm <sup>2</sup> (single-stranded)
Protection:	Front: IP52, terminals: IP20, to IEC/EN 60529

## Connections



## Dimensions

All dimensions in mm									
<b>LSQ</b>									
Type	A	B	C	D	E	F	G	H	Weight (kg)
LSQ96	96 x 96	5.5	44	21.5	91 x 91	103	12	92 x 92 +0.8	Approx. 0.300

## Available variants

Item no.	Variant no.	Variant description
2918110910	01	LSQ96 110-440V AC

## Order specifications

Variants:

Mandatory information				Additional options to the standard variant
Item no.	Type	Variant no.	Measuring voltage	Option

Example:

Mandatory information				Additional options to the standard variant
Item no.	Type	Variant no.	Measuring voltage	Option
2918110910-01	LSQ96	01	440V AC	Anti glare glass



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Due to our continuous development we reserve the right to supply equipment which may vary from the described.

