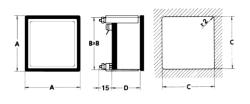
# Panel LED-Synchronoskope with Control and Impulse Contact

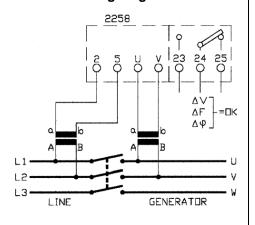






dimensions and weight					
Туре	A/mm	B/mm	C/mm	D/mm	kg
96 Y X	96	91	92	70	0,40
144YX	144	137	138	70	0,50

### wiring diagram:



## TECHNICAL DATA

synchronoscope indication 28 LEDs

phase delay accuracy

(synchronoscope) 0.1rad

self-consumption (synchronoscope) approx. 3VA 2kV-50Hz-60s test voltage -25...50°C operating temperature -30...70°C

storage temperature protection for housing IP52 IP20 protection for terminals

manufactured according to DIN, VDE, IEC, CEI

back side potentiometer:

- voltage difference ±2,5 ... 20% Un - phase difference ±5 ... ±25° - frequency difference 0,1 ... 1Hz

**Order Code** 

**96YX** 144YX Input

100-110V AC 230V 400V 440V

LEDs flashes sequentially in clockwise direction when generator speed is too high in relation to the line, and vice versa.

One single bright LED in random position shows line voltage only. All black LEDs show generator voltage only.

Optimal conditions for synchronizing are (phase and frequency matching) when the central green LED is flashing;

a pulse contact with a length of approx. 100ms will be closed.

Following parameters will be checked:

ΔV: voltage difference between line and generator ΔF: frequency difference between line and generator phase difference between line and generator

The parameters thresholds can be set within the specified limits at the back side of the instrument.

One deviation only results in separation of the synchronization.

#### Please note:

With all the parameters thresholds set to minimum values, reaching the correct paralleling condition can require long time.

## **Ordering Information**

- Order Code
- Input Voltage
- Operating Frequency



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