LF SERIES

Product Data Sheet

LF305-S/SP11

LF305-S/SP11 current transducer

FUNCTION	FAMILY	ORIGIN	WEIGHT
LF305-S/SP11 current transducer	**LF Series**	**Switzerland**	**Confirm with quotation**

LEM LF305-S/SP11 is a LF305-S/SP11 current transducer for the LF Series. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Measurement principle	Closed-loop compensated Hall effect
Primary nominal current	300 A RMS
Primary measuring range	0 to ±500 A
Secondary nominal current	150 mA RMS
Conversion ratio	1:2000
Supply voltage	±12 to ±20 V DC
Current consumption	16 mA at ±20 V plus secondary current
AC insulation test	3 kV RMS at 50 Hz for 1 minute
Overall accuracy	±0.4% at 25 °C
Linearity error	Less than 0.1%

02 ADDITIONAL PRODUCT DATA

Electrical offset current	±0.20 mA at 25 °C
Reaction time	Less than 500 ns at 10% of nominal current
Response time	Less than 1 µs at 90% of nominal current
Frequency bandwidth	DC to 100 kHz at -1 dB
Operating temperature	-10 to +70 °C

03 OFFICIAL APPLICATIONS

- Motor Drive and Conversion: Industrial motor drive power conversion; Variable-frequency conversion production
- Solar and Wind Conversion: Solar inverter power conversion; Wind turbine converter production
- Thermal and Hydroelectric Production: Thermal power and steam production; Hydroelectric generation and distribution

04 SYSTEM COMPATIBILITY

Match LF305-S/SP11 to the installed LF Series, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

LEM LF 305-S Data Sheet

https://www.lem.com/sites/default/files/products_datasheets/lf_305-s.pdf

AMIKON PRODUCT SUPPORT

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