

RUGGED IP 67 LVDT WITH GUIDE & SWIVEL JOINTS : CER SERIES



ATEX version available

GENERAL SPECIFICATIONS (AT 25°C)

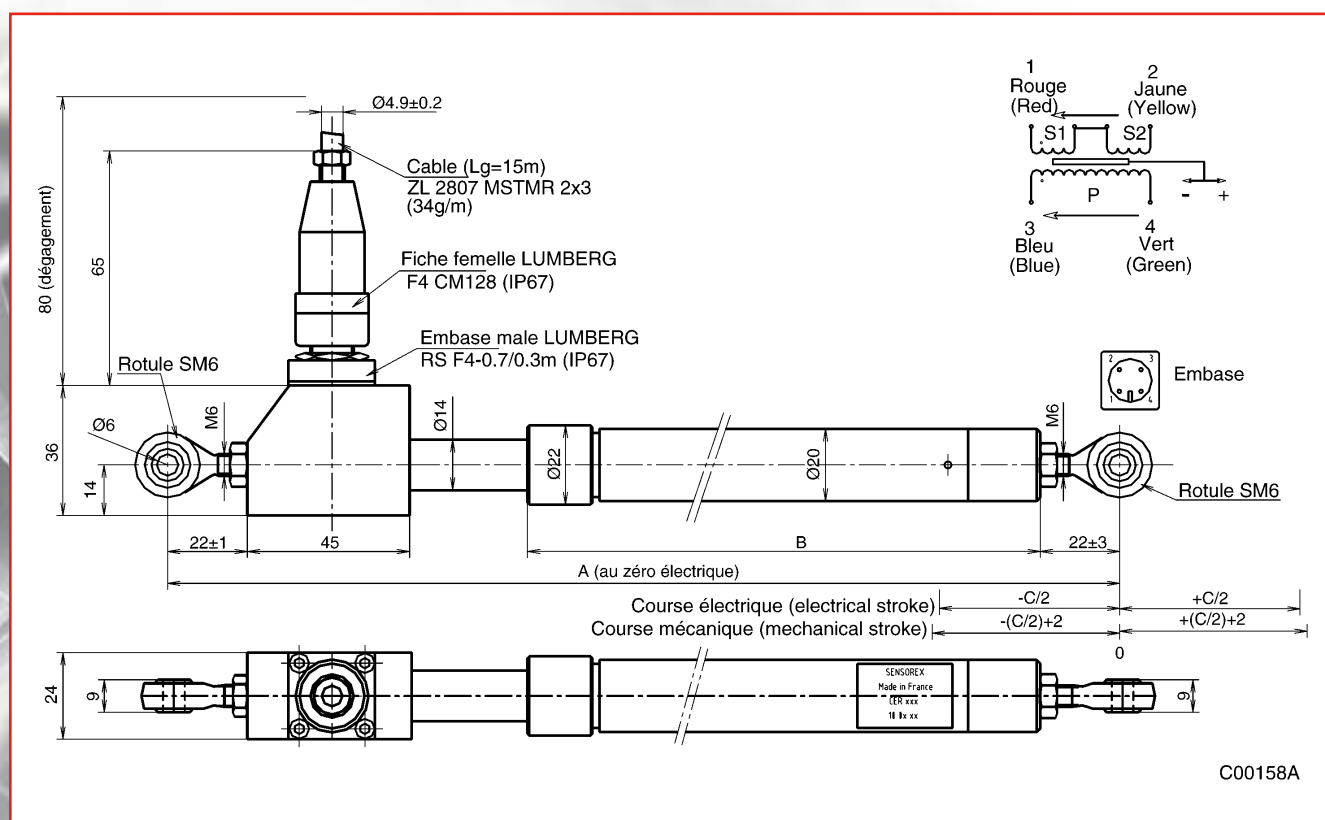
The CER series consists of an LVDT mounted within a sealed housing with a shaft bearing. Either end can be fixed with a ball and socket joint.

The unit is made from stainless steel and is classed IP 67.

It is also available in intrinsically safe version, according to ATEX norm.

Nominal electrical stroke	± 3 to ± 150 mm
Primary supply voltage	2.2 Vrms nominal
Frequency	3500 Hz nominal
Maximum consumption	≤ 10 mW
Linearity	$\leq 0.3\%$ FSO
Residual noise at zero	$\leq 0.5\%$ FSO
Working temperature	- 40 °C to + 80 °C
Thermal sensitivity drift	≤ 500 ppm/°C
Protection	IP67
Friction	2 daN Typ
Maximum speed	5 m/s

INTERFACE DRAWING



Supplied with a 15 m shielded cable + Lumberg IP67 connector.

MECHANICAL AND ELECTRICAL CHARACTERISTICS

References	Stroke (mm)	A nominal (g)	B \pm 0,5 (mm)	Sensitivity \pm 5 % (mV/V/mm)
CER 006	\pm 3	222	128	60,0
CER 010	\pm 5	231	135	56,0
CER 020	\pm 10	247	146	39,0
CER 040	\pm 20	284	173	19,0
CER 060	\pm 30	314	193	9,0
CER 100	\pm 50	375	234	9,0
CER 150	\pm 75	449	283	9,0
CER 200	\pm 100	529	338	7,2
CER 250	\pm 125	614	398	3,7
CER 300	\pm 150	691	450	4,4

SELECTION GUIDE

CER XXX

_____ Total stroke

Sensor supplied with a test report.

Intrinsically safe version, according to ATEX norm : contact us