

INSPECTION CERTIFICATE

Date: 23/02/2017

FILE NO. 17.13228

**COMPLIANCE
With IEC 61508**

**SGS Italia Spa
hereby confirm that**

**T.E.R. Tecno Elettrica Ravasi Srl
Calco (LC)
Via Privata Garibaldi 29/31**

**Limit switches model
OSCAR**

**MEET THE SIL REQUIREMENTS DETAILED IN THE ANNEXED TABLE
CAN BE USED UP TO SIL1 FOR THE SAFETY FUNCTION:
"operation/control on demand"**

**FOR PRODUCTS TYPE A
LOW DEMAND MODE**

**Technical report: 17.500.0115 dtd. 23/02/2017 and 14.500.0045 dtd. 31/01/2014
Reference standard: IEC 61508:2010, part 2,4,6,7**

Expiry date : 23/02/2020



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SUMMARY TABLE

E/E/PE system Function definition	Limit switches mod. OSCAR operation on demand
Max SIL	SIL1
SFF	60%
λ_{DU}	4000 FIT
DC	50%
PFDavg	1,75E-2
HFT	0
MTBF	57 years
MTRR	24 hours
Proof test interval	1 year
Mission Time	10 years

Technical and Operation Manger
Renato Donadel

This certificate is composed of 2 pages



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