

INSPECTION CERTIFICATE

Date: 24/03/2017

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 swtiches model
OSCAR with LIMA**

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

**FOR PRODUCTS TYPE A
LOW DEMAND MODE**

**Technical report: 17.500.0183 dtd. 23/03/2017
Reference standard: IEC 61508:2010, part 2,4,6,7**

Expiry date : 24/03/2020



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SUMMARY TABLE

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

E/E/PE system Function definition	Limit swtiches mod. OSCAR with LIMA Speed control
Max SIL	SIL1
SFF	60%
λ_{DU}	1000 FIT
DC	50%
PFDavg	4,52E-3
HFT	0
MTBF	228 years
MTTR	24 hours
Proof test interval	1 year
Mission Time	10 years

Technical and Operation Manger
Renato Donadel




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