

TYPE TEST REPORT **FUNCTIONAL PERFORMANCE TEST** **HV MANUAL EARTHING DISCONNECTOR SWITCH** **DSC - D344640 - Loco E402A - CAF**



1.DOCUMENTI DI RIFERIMENTO / REFERENCE DOCUMENTS

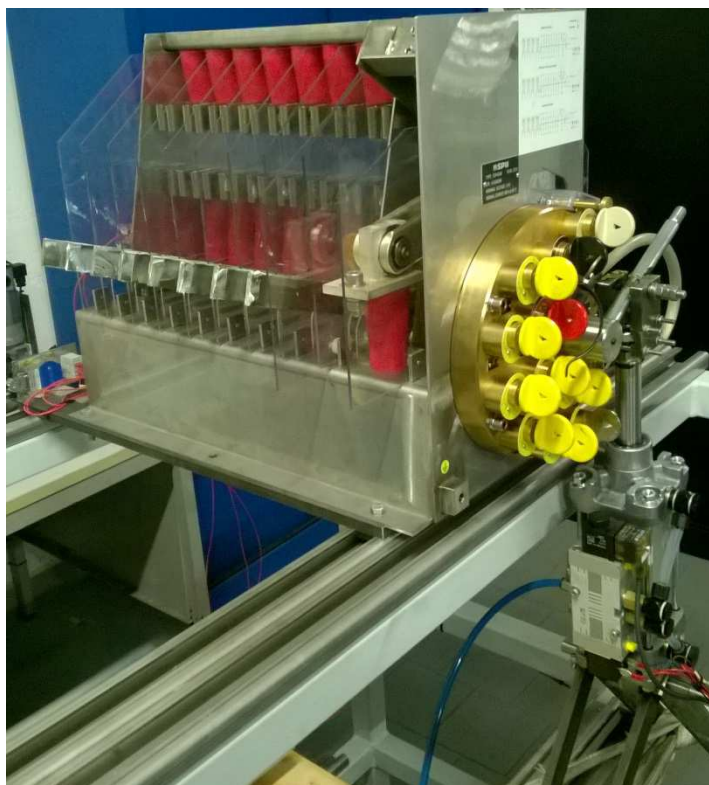
Documenti / Documents	
Type Test Procedure	D346902
Functional Test Procedure	D345265
User Manual	D346027

2.CONDIZIONI AMBIENTALI / ENVIRONMENTAL CONDITIONS

Dati ambientali / Environmental Data	
Data esecuzione Test / Test performance Date	From 20/11/2015 to 20/01/2016
Temperatura / Temperature [°C]	20°C
Umidità / Humidity [% UR]	65% UR

3.OGGETTO IN PROVA / EQUIPMENT UNDER THE TEST

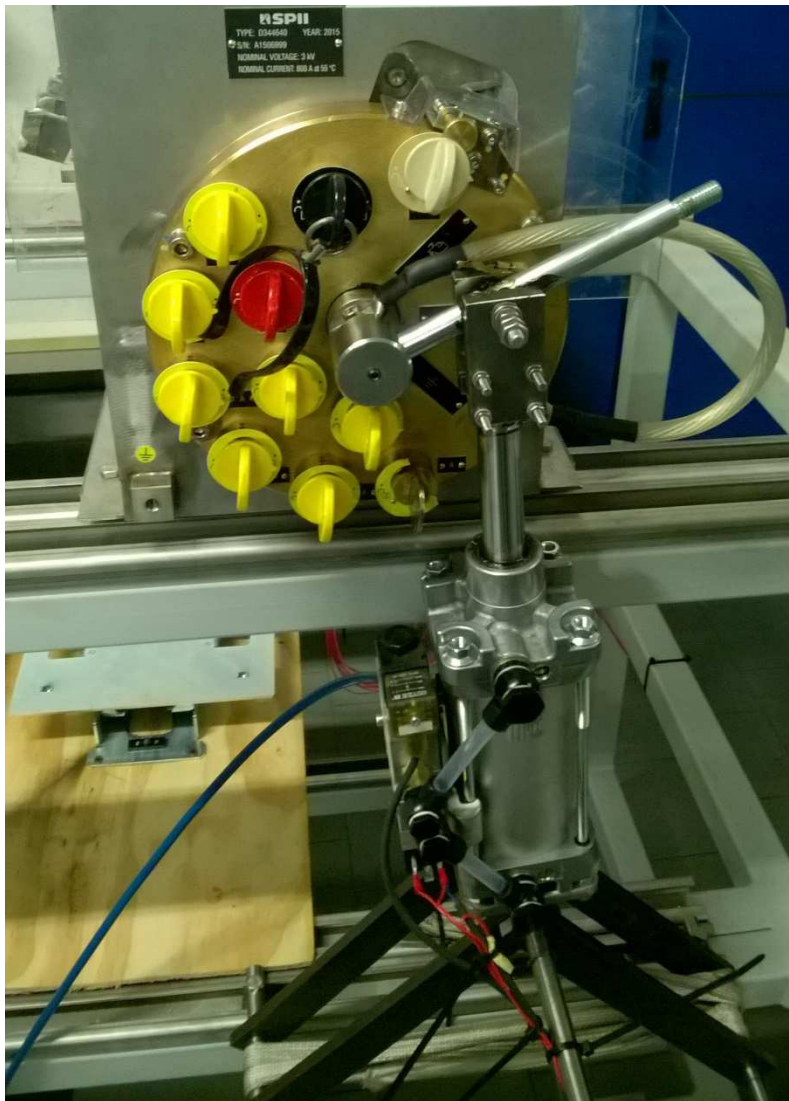
Tipo / Type	DISCONNECTOR SWITCH
Codice / ID	D344640
SN	A1506999



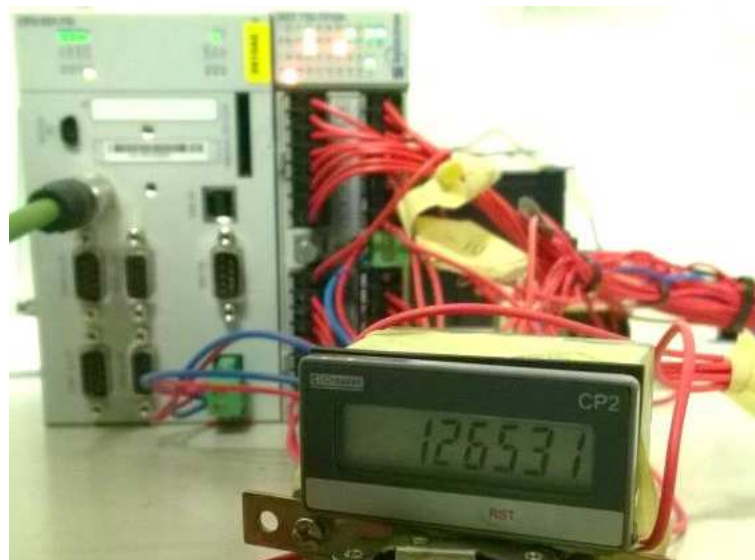
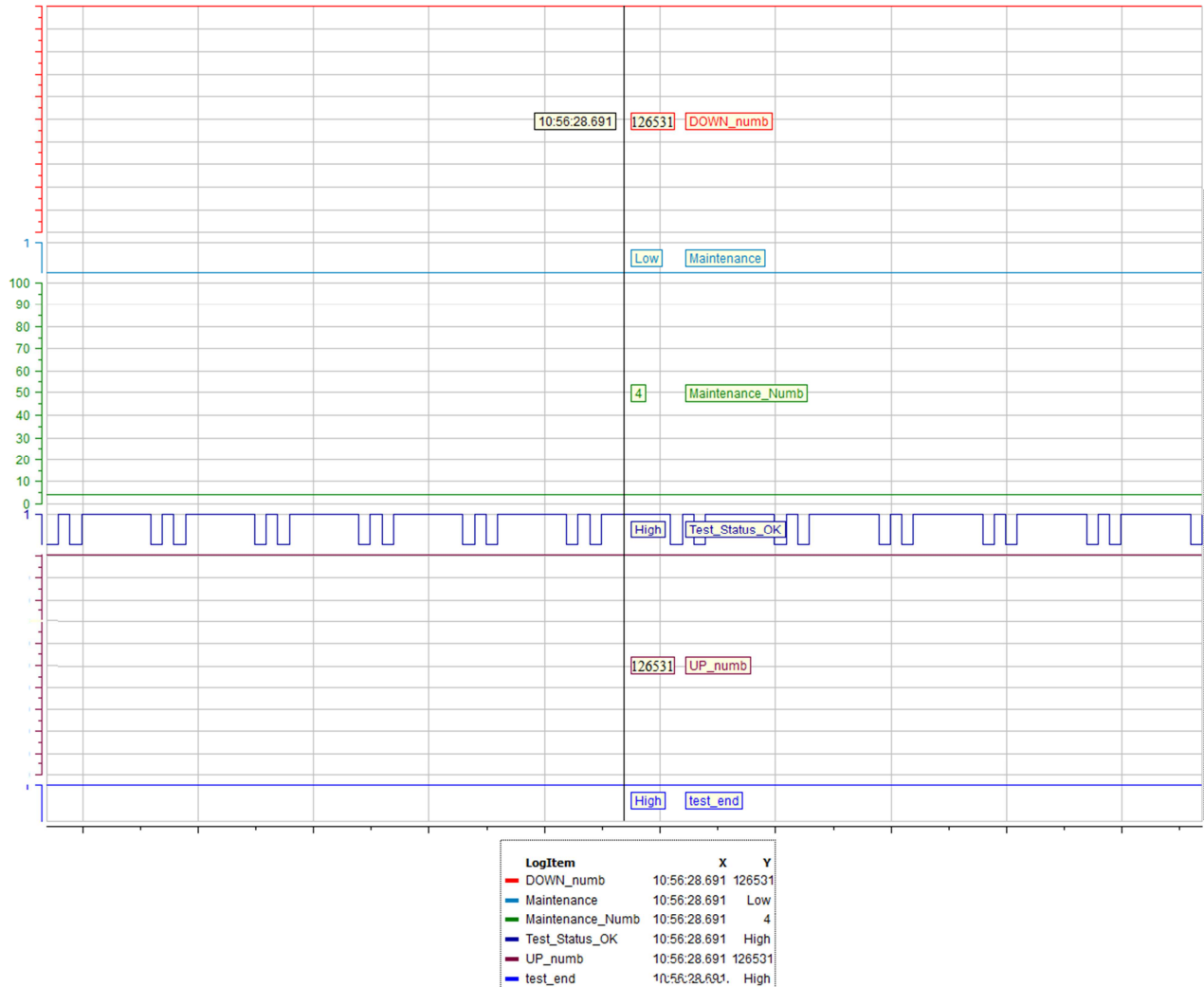
4.STRUMENTAZIONE UTILIZZATA / INSTRUMENTATION USED

#	Strumenti / Instruments	Caratteristiche / Characteristics
1	Type: Stabilized Power Supply code SPII : 916 Next Calibration: 09/16	Model GW Instek GPS 3030
2	Type: PLC	Model Selectron CPU 831 TG
3	Type: Pneumatic Cylinder	Model Rexroth Bosch 80mm 3000N max
4	Type: Counter	Model 1x Crouzet CP2

5.ESECUZIONE DELLA PROVA / TEST EXECUTION

Type Test	Note / Notes
	

PLC Data Log Result:



Functional Performance Test Summary

Category	Number
Number of Downward position	126.531
Number of Upward position	126.531
Maintenance (Visual Check/Lubricant)	4

Functional Tests after 125.000 Cycles

Category	Result		
Visual Inspection	OK		
Mechanical Functionality Test	OK		
Effort lever test	Closing to Earthing	Opening from Earthing	OK
	$F_{AV} = 162,0 \text{ N}$	$F_{AV} = 140,5 \text{ N}$	OK
Electrical Functionality Test	OK		
Contact Resistance Test - Target: 1) HV contacts - MAT=10mΩ 2) HV 1R - 2R/3R =0,5mΩ	HVs - MAT max	1R_2R	1R_3R
	3mΩ	0,16mΩ	0,25mΩ

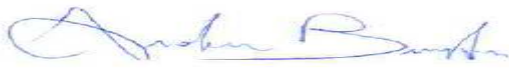
RISULTATI / RESULTS

Functional performance Test	
EuT	DSC D344640
Standard Reference	EN 60077-2 - 8.2.8
Esito / Result	COMPLIANT

6.CONCLUSIONI / CONCLUSIONS

Conclusioni / Conclusions	<i>DSC is compliant against EN 60077-2- 8.2.8.</i>
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7.DICHIARAZIONE DI CONFORMITA' / DECLARATION OF CONFORMITY

<p align="center">Il Collaudatore Responsabile The Inspector</p> <p>Nome/Name: Andrea Biraghi</p> <p>Firma/Signature </p>	<p>Test</p> <p>Data/Date: 20/01/2016</p>
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