SICURCONTROL s.n.c.
di BESANA L. & C.
PROVE DI SICUREZZA e E.M.C. e GESTIONE APPROVAZIONI
Via delle Industrie, 6 - 20061 Carugate (Mi) Tel. (02) 9253431 r.a. - Fax (02) 92150062

RELAZIONE No. 98/459

DATA DI EMISSIONE	16 ottobre 1998
TIPO DI PROVE	Prove parziali (Verifica Grado IP 65)
ESEGUITE PRESSO	il laboratorio SICUR CONTROL
PROVE RICHIESTE DA	ABB TURATI S.p.A. Via Italia 38/42 22040 GARBAGNATE MONASTERO LC
NORME APPLICATE	EN 60529
TIPO DI APPARECCHIO	QUADRO ELETTRICO
MARCA e MODELLO/TIPO	ABB TURATI - Mod. SM1882 ARTU M Pavimento (1800x800x250mm 50kg)
ESITO DELLE PROVE	Positivo come da rapporti in italiano ed inglese allegati

Provato da:
Gilberto Castelli

Controllato da:
Lorenzo Besana

Safety LAB div.
SICURCONTROL
Via delle Industrie 6 I-20061 CARUGATE-MI Italy
02-9253431 Fax 02-92150062

TEST REPORT N. **98/459**

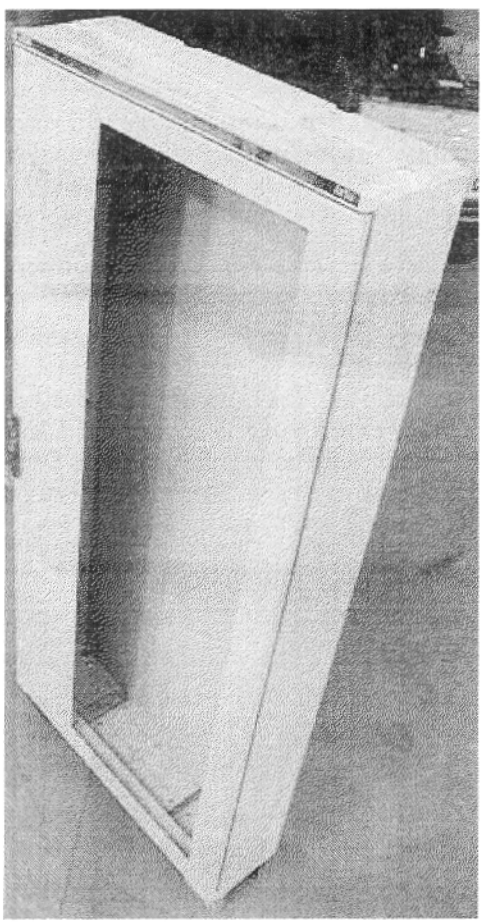
	Issued	on 15-10-98
	Sample received	on 23-09-98
Tested by :	G. Castelli	on 08-10-98
Checked by :	D. Rivoltella	on 14-10-98
Title :	Test responsible	
Approved by :	L. Besana	on 15-10-98
Title :	Laboratory responsible	

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THE TEST RESULTS PRESENTED IN THIS REPORT RELATE ONLY TO THE ITEM TESTED
sample not selected by SICUR CONTROL

Applicant:	ABB TURATI S.p.A.		
Test of:	Degree of protection provided by enclosures (IP code)	Standard:	EN 60529 (1991)
Product:	Electrical box	Trade Mark:	ABB
Type/Mod:	SM 1882 ARTU M pavimento	Manufacturer:	ABB TURATI S.p.A.
Serial Number:	---	Date of production:	1998

Rated Marking: 1800 x 800 x 250 mm 50 kg



§ 13 Test for protection against solid foreign objects indicated by the first characteristic numeral

First characteristic numeral	Test means	Test Force	Test Condition see §	Result
0	No test required	—	—	
1	Rigid sphere without handle or guard 50 + 0,05 - 0 mm diameter	50N ± 10%	13.2 of the Standard	
2	Rigid sphere without handle or guard 12,5 + 0,02 - 0 mm diameter	30N ± 10%	13.2 of the Standard	
3	Rigid steel rod 2,5 + 0,05 - 0 mm diameter with edges free from burrs	3N ± 10%	13.2 of the Standard	
4	Rigid steel rod 1 + 0,05 - 0 mm diameter with edges free from burrs	1N ± 10%	13.2 of the Standard	
5	Dust chamber with or without under pressure	---	13.4 and 13.5 of the Standard	
6	Dust chamber with underpressure	---	13.4 and 13.6 of the Standard	OK

§ 14 Test for protection against water indicated by the second characteristic numeral

Second characteristic numeral	Test means	Water flow rate	Duration of test	Test Condition see §	Result
0	No test required	---	—	—	
1	Drip box Enclosure on turn table	1 + 0,5 - 0 mm/min	10 min	14.2.1	
2	Drip box Enclosure in 4 fixed positions of 15° tilt	3 + 0,5 - 0 mm/min	2,5 min for each position of tilt	14.2.2	
3	Oscillating tube Spray ± 60° from vertical distance max.200 mm or Spry nozzle Spray ± 60° from vertical	0,07 l/min ± 5% per hole, multiplied by number of holes 10 l/min ± 5%	10 min 1 min/m² at least 5 min	14.2.3 a) 14.2.3 b)	
4	Oscillating tube Spray ± 180° from vertical distance max.200 mm or Spry nozzle Spray ± 180° from vertical	0,07 l/min ± 5% per hole, multiplied by number of holes 10 l/min ± 5%	10 min 1 min/m² at least 5 min	14.2.4	
5	Water jet hose nozzle 6,3 mm diameter, distance 2,5 m to 3 m	12,5 l/min ± 5%	1 min/m² at least 3 min	14.2.5	OK
6	Water jet hose nozzle 12,5 mm diameter, distance 2,5 m to 3 m	100 l/min ± 5%	1 min/m² at least 3 min	14.2.6	
7	Immersion tank Water-level on enclosure: 0,15 m above top 1 m above bottom	---	30 min	14.2.7	
8	Immersion tank Water-level by agreement	---	by agreement	14.2.8	