





Test Report issued under the responsibility of:

Tota	Boxes and enclosured similar Part 22: Particular requestration or Reference No	TEST REPORT IEC/EN 60670-22 s for electrical accessories for household and ar fixed electrical installations airements for connecting boxes and enclosures 02SG00190 2007-06-20
Tota	; O) ISSUE	02SG00190 2007-06-20
Tota	; O) ISSUE	02SG00190 2007-06-20
Tota	; O) ISSUE	2007-06-20
	I number of pages	
CB/		17
	CCA Testing Laboratory:	IMQ S.p.A.
Addı	ress:	l - 20138 Milano - Via Quintiliano, 43
App	licant's name:	BOCCHIOTTI S.p.A.
Addi	ress:	.I - Via Pelio 6, 16147 Genova (GE)
Test	specification:	
Stan	dard:	 IEC 60670-22:2003 (1st Edition) with IEC 60 670-1:2002 (1st Edition) + corrigendum 2003 and/or EN 60670-22:2006 with EN 60670-1:2005
Test	procedure:	CB / CCA
Non-	standard test method	N/A
Test	Report Form No:	IECEN60670_22A
Test	Report Form(s) Originator:	IMQ
Masi	ier TRF:	Dated 2007-03
	yright © 2007 IEC System for Co EE), Geneva, Switzerland. All rig	nformity Testing and Certification of Electrical Equipment into reserved.
соруп	oublication may be reproduced in whole or i ight owner and source of the material. IECI ader's interpretation of the reproduced mat	in part for non-commercial purposes as long as the IECEE is acknowledged as EE takes no responsibility for and witl not assume liability for damages resulting fror terial due to its placement and context.
		EE members, the IECEE/IEC logo and the reference to the CB Scheme
This	dure shall be removed. report is not valid as a CB Test Repo CB Test Certificate issued by an NCB	ort unless signed by an approved CB Testing Laboratory and appended in accordance with IECEE 02.
remo	ved.	A members, the CiG logo and the reference to the CCA Procedure shall boot unless signed by an approved CCA Testing Laboratory and
		d by an NCB in accordance with CCA
Test	titem description:	Connecting enclosures for floating connecting devices
Trade	e Mark:	BOCCHIOTTI (logo) see marking
Manu	ıfacturer:	BOCCHIOTTI S.p.A. Via Pelio 6, 16147 Genova (GE)
Mode	el/Type reference:	·
Ratin	gs:	(See test item particulars)
	2-	

•		Page 5 of	· 17	Report No. 02SG0019
7.101	Method of fixing the	7.101.1 With inte	egrated clamping units	
	terminals or connecting	7.101.2 With inc	orporated terminals or	connecting devises
	devices in the connecting box	7.101.3 With pro	ovisions for subsequent ing devices	connecting devices
				inals or connecting devices)
IP code	e	:	IP44	
Rated	insulation voltage	1	750 V	•
Rated connect	voltage of integrated or in	corporated:	_	
Rated	connecting capacity			
	um number of conductors			
-	marked or declared)	•		
Dimens	sion sheet(s), if any			
	le test case verdicts:			
	ase does not apply to the			
	bject does meet the requir			
- test o	bject does not meet the re	quirement:	F (Fail)	
•	g			
	receipt of test item			
Date (s) of performance of tests.		From 2006-12-05 up to	o 2007-02 - 22
Genera	al remarks:			
This re	st results presented in this port shall not be reproduc Enclosure #)" refers to ad appended table)" refers to	ed, except in full, witho ditional information ap	ut the written approval o pended to the report.	of the Issuing testing laboratory.
Throug	hout this report a comma	(point) is used as the	decimal separator.	
This te	est report consist of:			
_	Test Report based on IE	C 60670-22:2003 (1st	Edition): 17 pages	
-	Annex 1 Description of the	ne series PICO IP44: 1	page	
	Annex 2 Photographic d	ocumentation: 3 pages	•	
-		nd measuraments are	those listed in BOCCH	IOTTI Operational Instruction

	IEC/EN 6067	70-22		
Clause	Requirement + Test . Result - Remark			
14.2	TABLE: insulation resistance			
test voltag	ge applied between:	measured (MΩ)	required (MΩ)	
Body and metal foil in contact with internal surface		≥ 100	≥ 5	
suppleme	ntary information:			

14.3	TABLE: electric strength		
rated insulation voltage (V)		750 V	
test voltage applied between:		test voltage (V)	flashover / breakdown (Yes/No)
Body and metal foil in contact with internal surface		4500	No
supplema	entary information:		

15.3 TABLE: im	pact test		
part of enclosure teste per Table 7 (A, B, C, D, E, F, G)	Total number of blows per part – Figure 10	height of fall per Table 8 (mm)	comments
Part A	5	100	No damage
Part E or F (*)	4	300 or 400 (*)	No damage

16.2	TABLE: ball pressure test of insulating materials			
	allowed impression diameter (mm):	≤ 2 mm	_ <u></u>	
part under test		test temperature (°C)	impression diameter (mm)	
Box and cover		70	1	

18	TABLE: glow-	-wire test				
part und	er test	material designation	test temperature (°C)	visible flame and sustained glowing (Y/N)	flames and glowing extinction time	ignition of the tissue paper (Y/N)
Box and	cover	ABS	650	N		

Test	ing procedure and testing location:		
\boxtimes	CB/CCA Testing Laboratory:	IMQ S.p.A.	
Test	ing location/ address	I - 20138 Milano - Via Quir	ntiliano, 43
	formation CD Laboratory		
LJ	Associated CB Laboratory:	r	
Test	ing location/ address:	-	, ,
	Tested by (name + signature):	Crippa Luigi	Lugi Cril
	Approved by (+ signature):	Calveri Paolo	The state of the s
	Testing procedure: TMP		
	Tested by (name + signature):		
	Approved by (+ signature):		
Test	ing location/ address		
\boxtimes	Testing procedure: WMT		. 0
	Tested by (name + signature):	Gemme Sergio	Chum
	Witnessed by (+ signature):	Crippa Luigi	Luig Cija
	Approved by (+ signature):	Calveri Paolo	
Testi	ng location/ address	ARENZANO - GE	
	Testing procedure: SMT		
	Tested by (name + signature):		
	Approved by (+ signature):	u=	
	Supervised by (+ signature):		
Testi	ng location/ address		
	Testing procedure: RMT	1-46000000000000000000000000000000000000	
	Tested by (name + signature):		
	Approved by (+ signature)		1
	Supervised by (+ signature):		
Testi	ng location/ address		

Testi	tem particulars	
7.1	Nature of material	
		7.1.2 Metallic
		7.1.3 Composite
7.2	Method of installation	7.2.1 Flush, semi-flush or embedded in:
		7.2.1.1 Non combustible walls, ceilings or floors
		7.2.1.2 Combustible walls, ceilings or floors
		7.2.1.3 Hollow walls, hollow ceilings, hollow floors or furniture
		7.2.2.1 Non combustible walls, ceilings, floors or furniture
		☑ 7.2.2.2 Combustible walls, ceilings, floors or furniture
		7.2.3 Placement:
		7.2.3.1 Suitable for installation into concrete during the casting process (see 7.6)
		7.2.3.2 Suitable for all types of installation except into concrete
7,3	Type(s) of inlets	7.3.1 With inlets for sheathed cables for fixed installations
	(outlets)	7.3.2 With inlets for flexible cables
		7.3.4 With inlets for threaded conduits
		7.3.5 With inlets for other types of conductors/cables or conduits
		7.3.6 With spouts (hub)
		7.3.7 Without inlets. Inlet openings are made during installation
7.4	Clamping means	7.4.1 With cable retention
		7.4.2 With cable anchorage
ļ		7.4.3 With clamping means for flexible conduit
7.5	Minimum and	☐ 7.5.1 -5 °C to +60 °C
	maximum temperatures during	7.5.2 -15 °C to +60 °C
	installation	⊠ 7.5.3 -25 °C to +60 °C
7.6	Maximum temperature	☐ 7.6.1 +60 °C
	during the casting process	☐ 7.6.2 +90 °C
7.7	Boxes and enclosures	☐ 7.7.1 Class Ha
	for hollow walls and the	7.7.2 Class Hb:
	like according to 7.2.1.3	☐ 7.7.2.1 for walls
		7.7.2.2 for ceilings
		7.7.3 degree of protection of the part mounted in the hollow wall:
		☐ 7.7.3.1 IP2X
		☐ 7.7.3.2 >IP2X

List of test equipment used:

Clause	Measurement /	Testing / measuring equipment / material used	Range used	Calibration date
10	Protection against electric shock	Test probe 12 mm	20 N	01.09.06
13.1.1	Resistance to	Cylindrical metal rods	10 –40 mm	16.12.06
	ageing	Heating cabinet ISCO	70°C	09.02.07
13.1.2	Resistance to	Heating cabinet ISCO	40°C	09.02.07
	ageing of grommets	Test probe12 mm	30N	01.09.06
13.2	Protection against the ingress of solid objects	Steel wire 1mm	IP4X	30.09.06
13.3	Protection against harmful ingress of water	Spray nozzle	IPX4	06.09.06
14.2	Insulation	Humidity cabinet Angelantoni	25°C - 95%	27,09.06
	resistance	Voltage tester	500 V	27.02.06
14.3	Electric strength	Humidity cabinet Angelantoni	25°C - 95%	27.09.06
14.5	Electric sa crigar	High voltage transformer	4500 V	24.10.05
15.3	Impact test	Pendulum hammer.	IK07	27.02.07
	Resistance to heat	Heating cabinet ISCO	70°C	09.02.07
16.2	Vesignation to Heat	Steel ball	20 N	

Description of the enclosures series PICO IP55

Annex 1

Code	Type Ref. (on the package)	Cat.Ref.	Colour	Description	Dimensions (mm)
05504	IP55 01 GRI	IP55 01 GRI	Grey RAL 7035	with 6 grommets, suitable for conduit of size: 16, 20 and 25 mm	100x100x50
05505	IP55 02 GRI	IP55 02 GRI	Grey RAL 7035	with 6 grommets, suitable for conduit of size: 16, 20 and 25 mm	120x80x50
05506	IP55 03 GRI	IP55 03 GRI	Grey RAL 7035	with 6 grommets, suitable for conduit of size: 16, 20 and 25 mm	150x110x70
05507	IP55 04 GRI	IP55 04 GRI	Grey RAL 7035	with 6 grommets, suitable for conduit of size: 16, 20, 25 and 32 mm	190x140x70
05508	IP55 05 GRI	IP55 05 GRI	Grey RAL 7035	with 6 grommets, suitable for conduit of size: 16, 20, 25 and 32 mm	240x190x90
05509	IP55 06 GRI	IP55 06 GRI	Grey RAL 7035	with 6 grommets, suitable for conduit of size: 16, 20, 25, 32 and 40 mm	300x220x120
05510	IP55 07 GRI	IP55 07 GRI	Grey RAL 7035	with 6 grommets, suitable for conduit of size: 16, 20, 25, 32 and 40 mm	380x300x120
05511	IP55 05CA GRI	IP55 05CA GRI	Grey RAL 7035	High cover; with 6 grommets, suitable for conduit of size: 16, 20, 25, and 32 mm	240x190x160
05512	IP55 06CA GRI	IP55 06CA GRI	Grey RAL 7035	High cover; with 6 grommets, suitable for conduit of size: 16, 20, 25, 32 and 40 mm	300x220x180
05517	IP55 07CA GRI	IP55 07CA GRI	Grey RAL 7035	High cover; with 6 grommets, suitable for conduit of size: 16, 20, 25, 32 and 40 mm	380x300x180

Note:

<sup>width of the cavity for the fixing means for type reference: 05504/05/06/07: 9 mm;
width of the cavity for the fixing means for type reference: 05508/09/10/11/12/17: 22 mm.</sup>