DECLARATION DE CONFORMITE
DECLARATION OF CONFORMITY

N° A 124 / 2005

APPAREIL(S) : Armoires XL^3 4000
SAMPLE DESCRIPTION :

REFERENCE(S) : **20---**
REFERENCE(S) :

CARACTERISTIQUES : IP30-55 IK08-07
RATED CHARACTERISTICS :

CET (CES) APPAREIL(S) EST (SONT) CONFORME(S) :
THIS (THESE) DEVICE(S) IS (ARE) IN ACCORDANCE WITH :

à la norme CEI 60695-2-11
- 750°C pour les parties extérieures
- 960°C pour les parties en contact avec des parties actives
- 650°C pour les autres composants plastiques
- 960°C pour les revêtements des parties métalliques extérieurs avec peinture epoxy-polyester
- temps d'extinction toujours <30 s.

Cette déclaration comprend : 1 page — *This declaration contains : 1 page*

Date de délivrance : 29/11/2005
Issue date :

LABORATOIRE PRODUITS CENTRAL
Le Responsable du LABORATOIRE d'essais
Head of test Laboratory
Jacques BARBANCEYS

CERTIFICAT DE CONFORMITE
CERTIFICATE OF CONFORMITY

Appareil(s) : **ARMOIRES XL^3 4000 LEGRAND**
Sample description :

Référence(s) :
Reference(s) :

Toutes références.

Caractéristiques :
Rated Characteristics :

Tenue au feu des composants plastiques : 750°C pour les parties extérieures, 960°C pour les parties en contact avec des parties actives, 650°C pour toutes les autres composants plastiques.
Revêtements des parties métalliques extérieurs avec peinture en poudre epoxy-polyester résistant à 960°C.
Temps d'extinction toujours <30 s.

Cet (ces) appareil(s) est (sont) conforme(s) à :
This (These) device(s) is (are) in accordance with :

CEI 60439-1, CEI 60439-1/A1, CEI 695-2-1

Date de délivrance :
Issue date :

21/12/2004

Costantino Passera
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test report No. RDP 10174

u.o. Sala Prove | date 5 January 2006 | page 1 of 6 | file code 10

test carried out at	Laboratorio Sala Prove BTICINO Viale L. Borri, 231 - 21100 VARESE - ITALIA tel. 0332/279.526 fax 810.125
client	Industrial Research and Development Ing. Passera C. — VA 5919
copy to	Client
test samples	Electrical board series XL^3 4000 (external dimensions 600 x 600 x 350 mm)
object	Verification of the degree of protection IP code (IP 65) and against external mechanical impacts IK code (IK 08).
reference standard	IEC 60439-1 (1999) + A1 (2004) EN 50102 (1995) PO 60439-1 rev.4

date of receipt of samples	19 December 2005
date of tests	2÷5 January 2006

this document is composed by: 6 pages of which:

6	pages of report;	---	pages with photographs;
---	pages with oscillograms;	---	pages with drawings, diagrams ecc.

technician

Bisello S.

test withnessed by

supervisor

Laboratory manager

Type test according to: IEC 60439-1		
Standard and clause	Kind of test and requirements	Test values Results
8.2.7	DEGREE OF PROTECTION	
	Protection degree IP 65	
12	Tests for protection aginst access to hazardous parts	
IEC529	indicated by the first characteristic numeral	
12.2	General condition:	
	Low voltage supply 40÷50 V	50 V
	0 No test	
	1 Sphere 50 mm diameter	
tab.6	Test force 50 N	50 N
	2 Jointed test finger	
tab.6	Test force 10 N	10 N
	3 Test rod 2,5 mm diameter, 100 mm long	
tab.6	Test force 3 N	3 N
	4,5,6 Test rod 2,5 mm diameter, 100 mm long	
tab.6	Test force 1 N	1 N
12.3	The protection is satisfactory if adequate clearance is kept between the access probe and hazardous parts.	positive
	For the first characteristic numeral 1, the access probe shall not compltely pass through the opening.	---
	For the second characteristic numeral 2, the jointed test finger may penetrate to its 80 mm length but thestop face shall not pass through the opening.	---
12.3.1	The lamp shall not light.	positive

Laboratory manager

Type test according to: IEC 60439-1		
Standard and clause	Kind of test and requirements	Test values Results
13 (tab7) IEC529	Tests for protection against solid foreign objects indicated by the first characteristic numeral	
13.4	Dust test	
	First characteristic numeral	6
	Enclosure category	Category 1
	Enclosure volume	0,126 m^3
	Depression value	20 mbar
	Duration of the test:	
	- if an extraction rate of 40 to 60 volumes per hour is obtained the duration is 2 hour	---
	- if the extraction rate is less than 40 volumes per hour the test is continued until 80 volumes have been drawn or a period of 8 hour elapsed	8 hour
13.6	Acceptance conditions	
	The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test	positive

Laboratory manager

Type test according to: IEC 60439-1			
Standard and clause	Kind of test and requirements		Test values Results
14 (tab 8) IEC 529	Tests for protection against water indicated by the second characteristic numeral		
	Second characteristic numeral		5
14.2.5	Nozzle 6,3 mm diameter		
	Delivery rate	12,5l/min.	12,5 l/min.
	Internal diameter of the nozzle	6,3 mm	6,3 mm
	Test duration		3 min.
	Distance from nozzle to enclosure surface	2,5÷3 m	2,8 m
8.2.7	If traces of water are readily observable within the enclosure, dielectric properties are verified		no traces of water
14.3	Acceptance conditions:		
	If any water has entered it shall not:		
	-be sufficient to interfere with the correct operation of the equipment or impair safety		n.a. (no traces of water)
	- deposit on insulation parts where it could lead to tracking along the creepage distances		n.a. (no traces of water)
	- reach live parts or winding not designed to operate when wet		n.a. (no traces of water)
	- accumulate near the cable end or enter the cable if any		n.a. (no traces of water)
	n.a.: not applicable		

Laboratory manager

Type test according to: EN 50102			
Standard and clause	Kind of test and requirements		Test values Results
6	Test to verify the protection against mechanical impacts		
7	Test aparatus		pendulum hammer
tab.2	IK code	IK 08	
	Energy	5 J	5 J
	Mass	1,7 kg	1,7 kg
	Method of mounting		the board is leant against a wood panel
	Points of imapct		
	- door:		
	glass	n°5 impacts	positive
	frame	n°5 impacts	positive
	- side panel	n°5 impacts	positive

Laboratory manager

Instruments list

instrument	manufacturer	serial n°
Rigid sphere 50 mm diameter	ATS	690003026
Rigid sphere 12,5 mm diameter	ATS	690003025
Test finger	bticino	AC9512.31
Test rod 2,5 mm diameter	bticino	AC 9512.46
Test rod 1 mm diameter	bticino	A4442
Chronometer	hanhart	SP 660/94
Spray nozzle	bticino	SP 260/78
Water flow meter	CryoteK	SP 947/97
Dust chamber	ATS	SP 944/97
Hammer	ATS	656001033
Hammer	ATS	690003024

Laboratory manager