Test Report issued under the responsibility of:

VDE

TEST REPORT

IEC 60884-1

Plugs and socket-outlets for household and similar purposes Part 1: General requirements

Report Reference No. ..... :	**249898-TL3-1**
Date of issue..... :	2018-05-23
Total number of pages ..... :	39
Applicant's name ..... :	**AB Plast s.r.l. - Hager Group**
Address..... :	Via dell'Artigianato 6; 25080 MAZZANO BS; ITALY
Test specification:	
Standard ..... :	**IEC 60884-1:2002 (Third Edition) + A1:2006 + A2:2013**
Test procedure ..... :	VDE Scheme
Non-standard test method ..... :	N/A
Test Report Form No. ..... :	IEC60884_1D
Test Report Form(s) Originator .... :	IMQ S.p.A.
Master TRF ..... :	Dated 2013-08

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

Test item description..... :	Installation socket-outlet for household
Trade Mark..... :	:hager
Manufacturer ..... :	AB Plast s.r.l. - Hager Group; Via dell'Artigianato 6; 25080 MAZZANO BS; ITALY
Model/Type reference..... :	WXF160B; WXF165B; WXF160D; WXF160T; WXF160N; WXF160R; WXF160V; WXF160E; WXF165T; WXF165N
Ratings..... :	AC 250V /16A

Testing procedure and testing location:		
☐ **CB Testing Laboratory:**	**VDE Prüf- und Zertifizierungsinstitut GmbH** **VDE** *Testing and Certification Institute*	
Testing location/ address.....:	Merianstraße 28, 63069 Offenbach, Germany	
☐ **Associated CB Testing Laboratory:**		
Testing location/ address.....:		
Tested by (name + signature).....:	(authorization of test report)	
Approved by (name + signature) .....:		
☐ **Testing procedure: TMP**		
Testing location/ address.....:		
Tested by (name + signature).....:		
Approved by (name + signature) .....:		
☒ **Testing procedure: WMT**		
Testing location/ address.....:	AB Plast s.r.l.; Via dell'Artigianato 6; 25080 MAZZANO BS; ITALY	
Tested by (name + signature).....:	Malkit Sandhu	
Witnessed by (name + signature) ....:	Christoph Kuchar (authorization of test report)	
Approved by (name + signature) .....:	Horst Zirkel	
☐ **Testing procedure: SMT**		
Testing location/ address.....:		
Tested by (name + signature).....:		
Approved by (name + signature) .....:		
Supervised by (name + signature)...:		

List of Attachments (including a total number of pages in each attachment):

Annex 1 (1 page) Standard Sheet DIN 49440-1
Annex 2 (1 page) Standard Sheet DIN 49440-5
Annex 3 (2 page) List of the applied measurement instruments and testing means

Summary of testing: Pass

Tests performed (name of test and test clause):

Following clauses:

8 - Marking
9 - Checking of dimensions
10 - Protection against electric shock
12 - Terminals and terminations
16 - Resistance to ageing, protection provided by enclosures, and resistance to humidity
17 - Insulation resistance and electric strength
18 - Operation of earthing contacts
19 - Temperature rise
20 - Breaking capacity
21 - Normal operation
22 - Force necessary to withdraw the plug
24 - Mechanical strength
25 - Resistance to heat
26 - Screws, current-carrying parts and connections
27 - Creepage distances, clearances and distances through sealing compound
29 - Resistance to rusting

Testing location:

AB Plast s.r.l.; Via dell'Artigianato 6; 25080 MAZZANO BS; ITALY

TDAP – 40045113

Summary of compliance with National Differences

List of countries addressed: Germany

☒ **The product fulfils the requirements of DIN VDE 0620-1 (VDE 0620-1):2016-01 and DIN VDE 0620-1/A1 (VDE 0620-1/A1):2017-09**

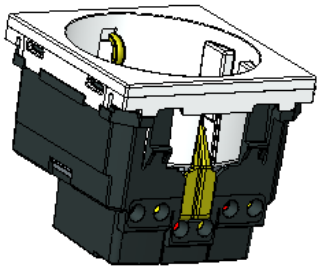
Copy of marking plate:

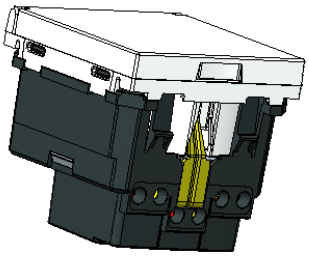
The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

WXF160B

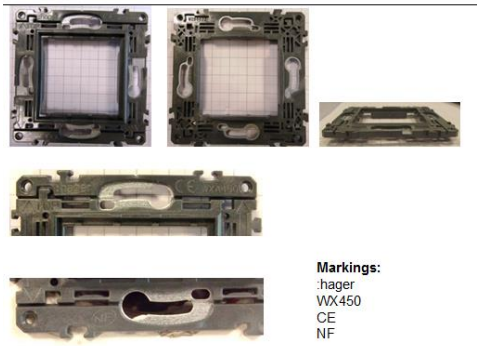
WXF165B

Pictures



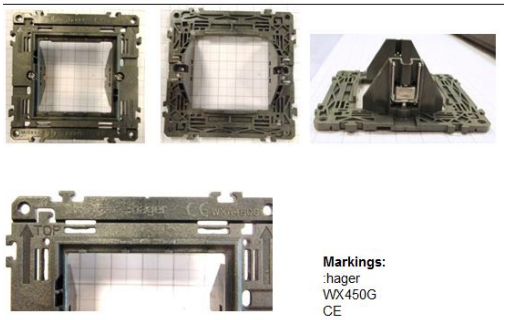


Without claws – WXA450



Markings:
:hager
WX450
CE
NF

With claws – WXA450G



Markings:
:hager
WX450G
CE
NF

Test item particulars	Installation socket outlet
Standard Sheet	DIN 49440-1
Rated current (A) / Rated voltage (V)	16/250
Degree of protection against access to hazardous parts and against harmful ingress of solid foreign objects	IP2X
Degree of protection against harmful ingress of water	IPX0
Provision for earthing	with earthing contact
Method of connecting the cable	rewirable
Type of cable	--
Nominal cross-sectional areas (mm^2)	1,5 - 2,5
Type of terminals	screwless (rigid and flexible)
Type of connections	--
Socket-outlets:	
Degree of protection against electric shock	increased protection
Existence of shutters	with shutters
Method of application / mounting of the socket-outlet	flush-type / Built in truncking
Method of installation	design A
Intended for circuits where	a single earthing circuit provides protective earthing
Plugs:	
Class of equipment	--
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing	
Date of receipt of test item	2018-04-18
Date (s) of performance of tests	2018-04-23 – 2018-05-23

General remarks:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
"(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.

Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

Manufacturer's Declaration per sub-clause 4.2.5 of IECEE 02:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided..... :

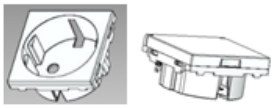
☐ **Yes**
☒ **Not applicable**

When differences exist; they shall be identified in the General product information section.

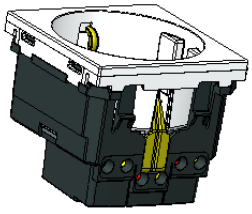
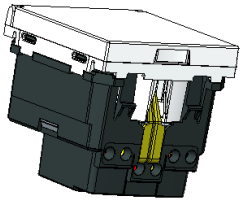
Name and address of factory (ies) ..: Berker Polska Sp. z o.o.; ul. Sredzka 19; 62-035 KORNIK; Poland / Reference 30006185

General product information:

The products are nearly identical with already approved Systo socket outlets, the new components are only the front cover and the plastic base. Additionally the products are suitable for flexible conductors.

Component code	Component description	Image
W1A1737_80 NEW	COVER SCHUKO SOCKET OLD PLATFORM COOL WHITE	
W1C0324_00 NEW	EVO - BASE FOR SCHUKO SOCKET OLD PLATFORM	

All other tests are covered by Systo range sockets with VDE approval number 40024105.

Sockets	
WXF160B - Gallery Schuko socket screwless WHITE	*WXF165B - Gallery Schuko socket screwless + LID WHITE*
	

Product Code	Descrpition
WXF160B	Gallery Schuko socket screwless COOL WHITE
WXF160D	Gallery Schuko socket 2P+T screwless Dune
WXF160T	Gallery Schuko socket 2P+T screwless Titane
WXF160N	Gallery Schuko socket 2P+T screwless Carbone
WXF160R	Gallery Schuko socket 2P+T screwless Red
WXF160V	Gallery Schuko socket 2P+T screwless Green
WXF160E	Gallery Schuko socket 2P+T screwless Orange
WXF165B	Gallery Schuko socket screwless + LID WHITE
WXF165T	Gallery Schuko socket screwless LID Titane
WXF165N	Gallery Schuko socket screwless LID carbone

VDE File No 5004940-1520-0005/249898

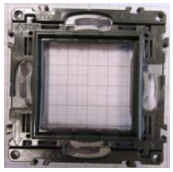
TRF No. IEC60884_1D

Product could be installed in flush and trunking application	
Trunking application	Flush application
 	 

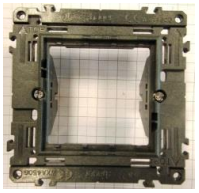
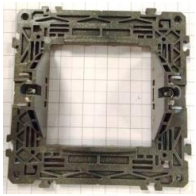
Trunking references	
Plastic	**Metal**
GBD500500	GBA500501
GBD500850	GBA500851
GBD501000	GBA501311
GBD501310	GBA501611
GBD501600	
GBD501610	
GBD501900	

Frame references

Without claws – WXA450 *With claws – WXA450G*

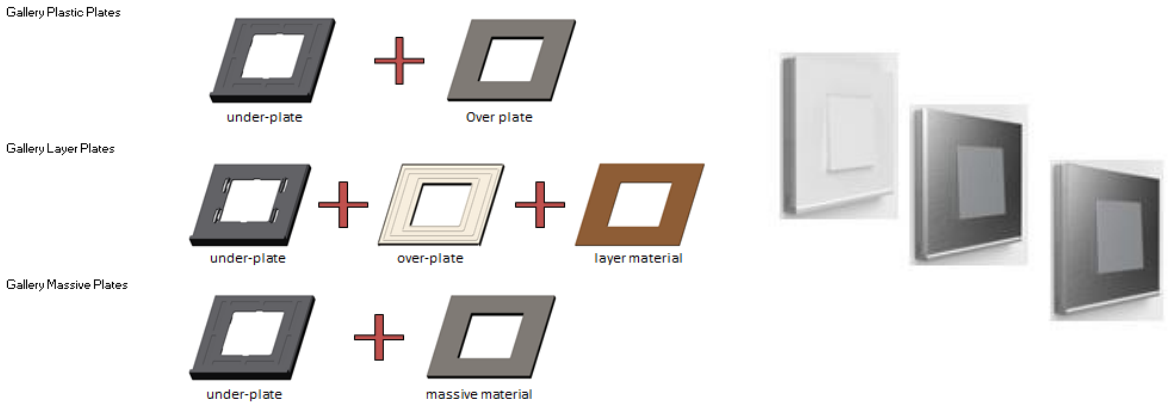


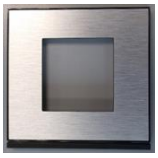

Markings on frame:
:hager
WXA4…
CE
NF

Product Code	Descrpition
WXA450	EVO 2 modules frame
WXA450G	EVO 2 modules frame with claws
WXA451	EVO 1 module frame
WXA454	EVO 4 modules frame French 57mm
WXA455	EVO 5 modules frame French 71mm
WXA456	EVO 6 modules frame French 57mm
WXA458	EVO 8 modules frame French 71mm
WXA460	EVO 2 modules frame for competitors

Plate references



Family plastic injected	Family plastic painted		Family material Layer		Family material Massive	
						
Plastic			*Wood*	*Aluminium*	*Aluminium*	*Glass*

Family	Product Code	Description
MATERIAL LAYER	WXP2002	EVO Profile - material Layer - ALU -1P
MATERIAL LAYER	WXP2012	EVO Profile - material Layer - ALU - 2P HORIZ 71
MATERIAL LAYER	WXP2022	EVO Profile - material Layer - ALU - 2P VERT 57
MATERIAL LAYER	WXP2042	EVO Profile - material Layer - ALU - 2P VERT 71
MATERIAL LAYER	WXP2013	EVO Profile - material Layer - ALU - 3P HORIZ 71
MATERIAL LAYER	WXP2043	EVO Profile - material Layer - ALU - 3P VERT 71
MATERIAL LAYER	WXP2034	EVO Profile - material Layer - ALU - 4M EN 57
MATERIAL LAYER	WXP2004	EVO Profile - material Layer - ALU - 4M ENT 71
MATERIAL LAYER	WXP2014	EVO Profile - material Layer - ALU - 4P HORIZ 71
MATERIAL LAYER	WXP2005	EVO Profile - material Layer - ALU - 5M ENT 71
MATERIAL LAYER	WXP2006	EVO Profile - material Layer - ALU - 6M ENT 57
MATERIAL LAYER	WXP2008	EVO Profile - material Layer - ALU - 8M ENT 71
MATERIAL LAYER	WXP2102	EVO Profile - material Layer - INOX - 1P
MATERIAL LAYER	WXP2112	EVO Profile - material Layer - INOX - 2P HORIZ 71
MATERIAL LAYER	WXP2122	EVO Profile - material Layer - INOX - 2P VERT 57
MATERIAL LAYER	WXP2142	EVO Profile - material Layer - INOX - 2P VERT 71
MATERIAL LAYER	WXP2113	EVO Profile - material Layer - INOX - 3P HORIZ 71
MATERIAL LAYER	WXP2143	EVO Profile - material Layer - INOX - 3P VERT 71
MATERIAL LAYER	WXP2134	EVO Profile - material Layer - INOX - 4M ENT 57
MATERIAL LAYER	WXP2104	EVO Profile - material Layer - INOX - 4M ENT 71
MATERIAL LAYER	WXP2114	EVO Profile - material Layer - INOX - 4P HORIZ 71
MATERIAL LAYER	WXP2105	EVO profile - material Layer - INOX - 5M ENT 71
MATERIAL LAYER	WXP2106	EVO Profile - material Layer - INOX - 6M ENT 57
MATERIAL LAYER	WXP2108	EVO Profile - material Layer - INOX - 8M ENT 71
MATERIAL LAYER	WXP2402	EVO Profile - material Layer - LIGHT OAK - 1P
MATERIAL LAYER	WXP2412	EVO Profile - material Layer - LIGHT OAK - 2P HORIZ 71
MATERIAL LAYER	WXP2422	EVO Profile - material Layer - LIGHT OAK - 2P VERT 57
MATERIAL LAYER	WXP2442	EVO Profile - material Layer - LIGHT OAK - 2P VERT 71
MATERIAL LAYER	WXP2413	EVO Profile - material Layer - LIGHT OAK - 3P HORIZ 71
MATERIAL LAYER	WXP2443	EVO Profile - material Layer - LIGHT OAK - 3P VERT 71
MATERIAL LAYER	WXP2434	EVO Profile - material Layer - LIGHT OAK - 4M ENT 57
MATERIAL LAYER	WXP2404	EVO Profile - material Layer - LIGHT OAK - 4M ENT 71
MATERIAL LAYER	WXP2414	EVO Profile - material Layer - LIGHT OAK - 4P HORIZ 71
MATERIAL LAYER	WXP2405	EVO profile - material Layer - LIGHT OAK - 5M ENT 71

MATERIAL LAYER	WXP2406	EVO Profile - material Layer - LIGHT OAK - 6M ENT 57
MATERIAL LAYER	WXP2408	EVO Profile - material Layer - LIGHT OAK - 8M ENT 71
MATERIAL LAYER	WXP2502	EVO Profile - material Layer - BROWN OAK - 1P
MATERIAL LAYER	WXP2512	EVO Profile - material Layer - BROWN OAK - 2P HORIZ 71
MATERIAL LAYER	WXP2522	EVO Profile - material Layer - BROWN OAK - 2P VERT 57
MATERIAL LAYER	WXP2542	EVO Profile - material Layer - BROWN OAK - 2P VERT 71
MATERIAL LAYER	WXP2513	EVO Profile - material Layer - BROWN OAK - 3P HORIZ 71
MATERIAL LAYER	WXP2543	EVO Profile - material Layer - BROWN OAK - 3P VERT 71
MATERIAL LAYER	WXP2534	EVO Profile - material Layer - BROWN OAK - 4M ENT 57
MATERIAL LAYER	WXP2504	EVO Profile - material Layer - BROWN OAK - 4M ENT 71
MATERIAL LAYER	WXP2514	EVO Profile - material Layer - BROWN OAK - 4P HORIZ 71
MATERIAL LAYER	WXP2505	EVO profile - material Layer - BROWN OAK - 5M ENT 71
MATERIAL LAYER	WXP2506	EVO Profile - material Layer - BROWN OAK - 6M ENT 57
MATERIAL LAYER	WXP2508	EVO Profile - material Layer - BROWN OAK - 8M ENT 71
MATERIAL LAYER	WXP2202	EVO Profile - material Layer - BRONZE - 1P
MATERIAL LAYER	WXP2212	EVO Profile - material Layer - BRONZE - 2P HORIZ 71
MATERIAL LAYER	WXP2222	EVO Profile - material Layer - BRONZE - 2P VERT 57
MATERIAL LAYER	WXP2242	EVO Profile - material Layer - BRONZE - 2P VERT 71
MATERIAL LAYER	WXP2213	EVO Profile - material Layer - BRONZE - 3P HORIZ 71
MATERIAL LAYER	WXP2243	EVO Profile - material Layer - BRONZE - 3P VERT 71
MATERIAL LAYER	WXP2234	EVO Profile - material Layer - BRONZE - 4M ENT 57
MATERIAL LAYER	WXP2204	EVO Profile - material Layer - BRONZE - 4M ENT 71
MATERIAL LAYER	WXP2214	EVO Profile - material Layer - BRONZE - 4P HORIZ 71
MATERIAL LAYER	WXP2205	EVO Profile - material Layer - BRONZE - 5M ENT 71
MATERIAL LAYER	WXP2206	EVO Profile - material Layer - BRONZE - 6M ENT 57
MATERIAL LAYER	WXP2208	EVO Profile - material Layer - BRONZE - 8M ENT 71
MATERIAL MASSIVE	WXP4502	EVO Profile - material massive - BRASS - 1P METAL
MATERIAL MASSIVE	WXP4512	EVO Profile - material massive - BRASS - 2P HORIZ 71 METAL
MATERIAL MASSIVE	WXP4522	EVO Profile - material massive - BRASS - 2P VERT 57 METAL
MATERIAL MASSIVE	WXP4542	EVO Profile - material massive - BRASS - 2P VERT 71 METAL
MATERIAL MASSIVE	WXP4513	EVO Profile - material massive - BRASS - 3P HORIZ 71 METAL
MATERIAL MASSIVE	WXP4543	EVO Profile - material massive - BRASS - 3P VERT 71 METAL
MATERIAL MASSIVE	WXP4534	EVO Profile - material massive - BRASS - 4M ENT 57 METAL
MATERIAL MASSIVE	WXP4504	EVO Profile - material massive - BRASS - 4M ENT 71 METAL
MATERIAL MASSIVE	WXP4514	EVO Profile - material massive - BRASS - 4P HORIZ 71
MATERIAL MASSIVE	WXP4505	EVO Profile - material massive - BRASS - 5M ENT 71 METAL
MATERIAL MASSIVE	WXP4506	EVO Profile - material massive - BRASS - 6M ENT 57 METAL
MATERIAL MASSIVE	WXP4508	EVO Profile - material massive - BRASS - 8M ENT 71 METAL
MATERIAL MASSIVE	WXP4602	EVO Profile - material massive - COPPER - 1P
MATERIAL MASSIVE	WXP4612	EVO Profile - material massive - COPPER - 2P HORIZ 71
MATERIAL MASSIVE	WXP4622	EVO Profile - material massive - COPPER - 2P VERT 57
MATERIAL MASSIVE	WXP4642	EVO Profile - material massive - COPPER - 2P VERT 71
MATERIAL MASSIVE	WXP4613	EVO Profile - material massive - COPPER - 3P HORIZ 71
MATERIAL MASSIVE	WXP4643	EVO Porifle - material massive - COPPER - 3P VERT 71
MATERIAL MASSIVE	WXP4634	EVO Profile - material massive - COPPER - 4M ENT 57
MATERIAL MASSIVE	WXP4604	EVO Profile - material massive - COPPER - 4M ENT 71
MATERIAL MASSIVE	WXP4614	EVO Profile - material massive - COPPER - 4P HORIZ 71
MATERIAL MASSIVE	WXP4605	EVO Profile - material massive - COPPER - 5M ENT 71
MATERIAL MASSIVE	WXP4606	EVO Profile - material massive - COPPER - 6M ENT 57
MATERIAL MASSIVE	WXP4608	EVO Profile - material massive - COPPER - 8M ENT 71
MATERIAL MASSIVE	WXP4102	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 1P
MATERIAL MASSIVE	WXP4112	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 2P HORIZ 71
MATERIAL MASSIVE	WXP4122	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 2P VERT 57
MATERIAL MASSIVE	WXP4142	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 2P VERT 71
MATERIAL MASSIVE	WXP4113	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 3P HORIZ 71
MATERIAL MASSIVE	WXP4143	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 3P VERT 71
MATERIAL MASSIVE	WXP4134	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 4M ENT 57
MATERIAL MASSIVE	WXP4104	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 4M ENT 71
MATERIAL MASSIVE	WXP4114	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 4P HORIZ 71
MATERIAL MASSIVE	WXP4105	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 5M ENT 71
MATERIAL MASSIVE	WXP4106	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 6M ENT 57
MATERIAL MASSIVE	WXP4108	EVO PROFILE - MATERIAL MASSIVE - BLACK GLASS - 8M ENT71
MATERIAL MASSIVE	WXP5002	Profile - massive - TINTED MIRROR - 1P
MATERIAL MASSIVE	WXP5012	Profile - massive - TINTED MIRROR - 2P H71
MATERIAL MASSIVE	WXP5022	Profile - massive - TINTED MIRROR - 2P V57

MATERIAL MASSIVE	WXP5042	Profile - massive - TINTED MIRROR - 2P V71
MATERIAL MASSIVE	WXP5013	Profile - massive - TINTED MIRROR - 3P H71
MATERIAL MASSIVE	WXP5043	Profile - massive - TINTED MIRROR - 3P V71
MATERIAL MASSIVE	WXP5034	Profile - massive - TINTED MIRROR - 4M 57
MATERIAL MASSIVE	WXP5004	Profile - massive - TINTED MIRROR - 4M 71
MATERIAL MASSIVE	WXP5014	Profile - massive - TINTED MIRROR - 4P H71
MATERIAL MASSIVE	WXP5005	Profile - massive - TINTED MIRROR - 5M 71
MATERIAL MASSIVE	WXP5006	Profile - massive - TINTED MIRROR - 6M 57
MATERIAL MASSIVE	WXP5008	Profile - massive - TINTED MIRROR - 8M 71
MATERIAL MASSIVE	WXP4002	EVO Profile - material massive - WHITE GLASS - 1P
MATERIAL MASSIVE	WXP4012	EVO Profile - material massive - WHITE GLASS - 2P HORIZ 71
MATERIAL MASSIVE	WXP4022	EVO Profile - material massive - WHITE GLASS - 2P VERT 57
MATERIAL MASSIVE	WXP4042	EVO Profile - material massive - WHITE GLASS - 2P VERT 71
MATERIAL MASSIVE	WXP4013	EVO Profile - material massive - WHITE GLASS - 3P HORIZ 71
MATERIAL MASSIVE	WXP4043	EVO Profile - material massive - WHITE GLASS - 3P VERT 71
MATERIAL MASSIVE	WXP4034	EVO Profile - material massive - WHITE GLASS - 4M ENT 57
MATERIAL MASSIVE	WXP4004	EVO Profile - material massive - WHITE GLASS - 4M ENT 71
MATERIAL MASSIVE	WXP4014	EVO Profile - material massive - WHITE GLASS - 4P HORIZ 71
MATERIAL MASSIVE	WXP4005	EVO Profile - material massive - WHITE GLASS - 5M ENT 71
MATERIAL MASSIVE	WXP4006	EVO Profile - material massive - WHITE GLASS - 6M ENT 57
MATERIAL MASSIVE	WXP4008	EVO Profile - material massive - WHITE GLASS - 8M ENT 71
MATERIAL MASSIVE	WXP5102	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 1P
MATERIAL MASSIVE	WXP5112	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 2P HORIZ 71
MATERIAL MASSIVE	WXP5122	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 2P VERT 57
MATERIAL MASSIVE	WXP5142	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 2P VERT 71
MATERIAL MASSIVE	WXP5113	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 3P HORIZ 71
MATERIAL MASSIVE	WXP5143	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 3P VERT 71
MATERIAL MASSIVE	WXP5134	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 4M ENT 57
MATERIAL MASSIVE	WXP5104	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 4M ENT 71
MATERIAL MASSIVE	WXP5114	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 4P HORIZ 71
MATERIAL MASSIVE	WXP5105	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 5M ENT 71
MATERIAL MASSIVE	WXP5106	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 6M ENT 57
MATERIAL MASSIVE	WXP5108	EVO PROFILE - MATERIAL MASSIVE - BEIGE LEATHER - 8M ENT 71
MATERIAL MASSIVE	WXP4902	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 1P
MATERIAL MASSIVE	WXP4912	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 2P HORIZ 71
MATERIAL MASSIVE	WXP4922	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 2P VERT 57
MATERIAL MASSIVE	WXP4942	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 2P VERT 71
MATERIAL MASSIVE	WXP4913	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 3P HORIZ 71
MATERIAL MASSIVE	WXP4943	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 3P VERT 71
MATERIAL MASSIVE	WXP4934	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 4M ENT 57
MATERIAL MASSIVE	WXP4904	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 4M ENT 71
MATERIAL MASSIVE	WXP4914	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 4P HORIZ 71
MATERIAL MASSIVE	WXP4905	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 5M ENT 71
MATERIAL MASSIVE	WXP4906	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 6M ENT 57
MATERIAL MASSIVE	WXP4908	EVO PROFILE - MATERIAL MASSIVE - BROWN LEATHER - 8M ENT 71
MATERIAL MASSIVE	WXP4302	EVO Profile - material massive - NATURAL ALU 1P METAL
MATERIAL MASSIVE	WXP4312	EVO Profile - material massive - NATURAL ALU 2P HORIZ 71 METAL
MATERIAL MASSIVE	WXP4322	EVO Profile - material massive - NATURAL ALU 2P VERT 57 METAL
MATERIAL MASSIVE	WXP4342	EVO Profile - material massive - NATURAL ALU 2P VERT 71 METAL
MATERIAL MASSIVE	WXP4313	EVO Profile - material massive - NATURAL ALU 3P HORIZ 71 METAL
MATERIAL MASSIVE	WXP4343	EVO Profile - material massive - NATURAL ALU 3P VERT 71 METAL
MATERIAL MASSIVE	WXP4334	EVO Profile - material massive - NATURAL ALU 4M ENT 57 METAL
MATERIAL MASSIVE	WXP4304	EVO Profile - material massive - NATURAL ALU 4M ENT 71 METAL
MATERIAL MASSIVE	WXP4314	EVO Profile - material massive - NATURAL ALU 4P HORIZ 71 METAL
MATERIAL MASSIVE	WXP4305	EVO Profile - material massive - NATURAL ALU 5M ENT 71 METAL
MATERIAL MASSIVE	WXP4306	EVO Profile - material massive - NATURAL ALU 6M ENT 57 METAL
MATERIAL MASSIVE	WXP4308	EVO Profile - material massive - NATURAL ALU 8M ENT 71 METAL
MATERIAL MASSIVE	WXP4402	EVO PROFILE - MATERIAL MASSIVE - SLATE - 1P
MATERIAL MASSIVE	WXP4412	EVO PROFILE - MATERIAL MASSIVE - SLATE - 2P HORIZ 71
MATERIAL MASSIVE	WXP4422	EVO PROFILE - MATERIAL MASSIVE - SLATE - 2P VERT 57
MATERIAL MASSIVE	WXP4442	EVO PROFILE - MATERIAL MASSIVE - SLATE - 2P VERT 71
MATERIAL MASSIVE	WXP4413	EVO PROFILE - MATERIAL MASSIVE - SLATE - 3P HORIZ 71
MATERIAL MASSIVE	WXP4443	EVO PROFILE - MATERIAL MASSIVE - SLATE - 3P VERT 71
MATERIAL MASSIVE	WXP4434	EVO PROFILE - MATERIAL MASSIVE - SLATE - 4M ENT 57
MATERIAL MASSIVE	WXP4404	EVO PROFILE - MATERIAL MASSIVE - SLATE - 4M ENT 71

MATERIAL MASSIVE	WXP4414	EVO PROFILE - MATERIAL MASSIVE - SLATE - 4P HORIZ 71
MATERIAL MASSIVE	WXP4405	EVO PROFILE - MATERIAL MASSIVE - SLATE - 5M ENT 71
MATERIAL MASSIVE	WXP4406	EVO PROFILE - MATERIAL MASSIVE - SLATE - 6M ENT 57
MATERIAL MASSIVE	WXP4408	EVO PROFILE - MATERIAL MASSIVE - SLATE - 8M ENT 71
MATERIAL MASSIVE	WXP4202	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 1P METAL
MATERIAL MASSIVE	WXP4212	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 2P HORIZ 71 METAL
MATERIAL MASSIVE	WXP4222	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 2P VERT 57 METAL
MATERIAL MASSIVE	WXP4242	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 2P VERT 71 METAL
MATERIAL MASSIVE	WXP4213	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 3P HORIZ 71 METAL
MATERIAL MASSIVE	WXP4243	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 3P VERT 71 METAL
MATERIAL MASSIVE	WXP4234	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 4M ENT 57 METAL
MATERIAL MASSIVE	WXP4204	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 4M ENT 71 METAL
MATERIAL MASSIVE	WXP4214	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 4P HORIZ 71 METAL
MATERIAL MASSIVE	WXP4205	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 5M ENT 71 METAL
MATERIAL MASSIVE	WXP4206	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 6M ENT 57 METAL
MATERIAL MASSIVE	WXP4208	EVO PROFILE - MATERIAL MASSIVE - STAINLESS STEEL - 8M ENT 71 METAL
MATERIAL MASSIVE	WXP4702	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 1P
MATERIAL MASSIVE	WXP4712	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 2P HORIZ 71
MATERIAL MASSIVE	WXP4722	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 2P VERT 57
MATERIAL MASSIVE	WXP4742	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 2P VERT 71
MATERIAL MASSIVE	WXP4713	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 3P HORIZ 71
MATERIAL MASSIVE	WXP4743	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK- 3P VERT 71
MATERIAL MASSIVE	WXP4734	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 4M ENT 57
MATERIAL MASSIVE	WXP4704	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 4M ENT 71
MATERIAL MASSIVE	WXP4714	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 4P HORIZ 71
MATERIAL MASSIVE	WXP4705	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 5M ENT 71
MATERIAL MASSIVE	WXP4706	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 6M ENT 57
MATERIAL MASSIVE	WXP4708	EVO PROFILE - MATERIAL MASSIVE - NATURAL OAK - 8M ENT 71
MATERIAL MASSIVE	WXP4802	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 1P
MATERIAL MASSIVE	WXP4812	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 2P HORIZ 71
MATERIAL MASSIVE	WXP4822	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 2P VERT 57
MATERIAL MASSIVE	WXP4842	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 2P VERT 71
MATERIAL MASSIVE	WXP4813	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 3P HORIZ 71
MATERIAL MASSIVE	WXP4843	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 3P VERT 71
MATERIAL MASSIVE	WXP4834	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 4M ENT 57
MATERIAL MASSIVE	WXP4804	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 4M ENT 71
MATERIAL MASSIVE	WXP4814	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 4P HORIZ 71
MATERIAL MASSIVE	WXP4805	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 5M ENT 71
MATERIAL MASSIVE	WXP4806	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 6M ENT 57
MATERIAL MASSIVE	WXP4808	EVO PROFILE - MATERIAL MASSIVE - EPICEA - 8M ENT 71
PLASTIC INJECTED	WXP0001	EVO Profile - plastic injected 1K - PLASTIC INJECTED COOL WHITE - 1M
PLASTIC INJECTED	WXP0086	EVO Profile - plastic injected 1K - PLASTIC INJECTED COOL WHITE - 2x3x2M
PLASTIC INJECTED	WXP0096	EVO Profile - plastic injected 1K - PLASTIC INJECTED COOL WHITE - 8M+8M
PLASTIC INJECTED	WXP0002	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 1P
PLASTIC INJECTED	WXP0012	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 2P HORIZ 71
PLASTIC INJECTED	WXP0022	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 2P VERT 57
PLASTIC INJECTED	WXP0042	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 2P VERT 71
PLASTIC INJECTED	WXP0013	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 3P HORIZ 71
PLASTIC INJECTED	WXP0023	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 3P VERT 57
PLASTIC INJECTED	WXP0043	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 3P VERT 71
PLASTIC INJECTED	WXP0034	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 4M ENT 57
PLASTIC INJECTED	WXP0004	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 4M ENT 71
PLASTIC INJECTED	WXP0014	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 4P HORIZ 71
PLASTIC INJECTED	WXP0005	EVO Profile - plastic injected 2K - PLASTIC INJECTED COOL WHITE - 5M ENT 71
PLASTIC INJECTED	WXP0006	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 6M ENT 57
PLASTIC INJECTED	WXP0008	EVO Profile - plastic injected 2k - PLASTIC INJECTED COOL WHITE - 8M ENT 71
PLASTIC INJECTED	WXP0302	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 1P
PLASTIC INJECTED	WXP0312	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 2P HORIZ 71
PLASTIC INJECTED	WXP0322	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 2P VERT 57
PLASTIC INJECTED	WXP0342	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 2P VERT 71
PLASTIC INJECTED	WXP0313	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 3P HORIZ 71
PLASTIC INJECTED	WXP0323	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 3P VERT 57
PLASTIC INJECTED	WXP0343	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 3P VERT 71
PLASTIC INJECTED	WXP0334	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 4M ENT 57
PLASTIC INJECTED	WXP0304	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 4M ENT 71

PLASTIC INJECTED	WXP0314	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 4P HORIZ 71
PLASTIC INJECTED	WXP0305	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 5M ENT 71
PLASTIC INJECTED	WXP0306	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 6M ENT 57
PLASTIC INJECTED	WXP0308	EVO Profile - plastic injected 2K - PLASTIC INJECTED DUNE - 8M EN 71
PLASTIC PAINTED	WXP0101	EVO Profile - plastic painted 1K - PLASTIC PAINTED TITANE - 1M
PLASTIC PAINTED	WXP0186	EVO Profile - plastic painted 1K - PLASTIC PAINTED TITANE - 2x3x2M
PLASTIC PAINTED	WXP0196	EVO Profile - plastic painted 1K - PLASTIC PAINTED TITANE - 8M+8M
PLASTIC PAINTED	WXP0402	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 1P
PLASTIC PAINTED	WXP0412	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 2P HORIZ 71
PLASTIC PAINTED	WXP0422	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 2P VERT 57
PLASTIC PAINTED	WXP0442	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 2P VERT 71
PLASTIC PAINTED	WXP0413	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 3P HORIZ 71
PLASTIC PAINTED	WXP0423	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 3P VERT 57
PLASTIC PAINTED	WXP0443	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 3P VERT 71
PLASTIC PAINTED	WXP0434	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 4M ENT 57
PLASTIC PAINTED	WXP0404	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 4M ENT 71
PLASTIC PAINTED	WXP0414	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 4P HORIZ 71
PLASTIC PAINTED	WXP0405	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 5M ENT 71
PLASTIC PAINTED	WXP0406	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 6M ENT 57
PLASTIC PAINTED	WXP0408	EVO Profile - plastic painted 2K - PLASTIC PAINTED CHAMPAGNE - 8M ENT 71
PLASTIC PAINTED	WXP0502	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 1P
PLASTIC PAINTED	WXP0512	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 2P HORIZ 71
PLASTIC PAINTED	WXP0522	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 2P VERT 57
PLASTIC PAINTED	WXP0542	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 2P VERT 71
PLASTIC PAINTED	WXP0513	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 3P HORIZ 71
PLASTIC PAINTED	WXP0523	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 3P VERT 57
PLASTIC PAINTED	WXP0543	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 3P VERT 71
PLASTIC PAINTED	WXP0534	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 4M ENT 57
PLASTIC PAINTED	WXP0504	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 4M ENT 71
PLASTIC PAINTED	WXP0514	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 4P HORIZ 71
PLASTIC PAINTED	WXP0505	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 5M ENT 71
PLASTIC PAINTED	WXP0506	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 6M ENT 57
PLASTIC PAINTED	WXP0508	EVO Profile - plastic painted 2K - PLASTIC PAINTED COPPER - 8M ENT 71
PLASTIC PAINTED	WXP0202	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 1P
PLASTIC PAINTED	WXP0212	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 2P HORIZ 71
PLASTIC PAINTED	WXP0222	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 2P VERT 57
PLASTIC PAINTED	WXP0242	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 2P VERT 71
PLASTIC PAINTED	WXP0213	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 3P HORIZ 71
PLASTIC PAINTED	WXP0223	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 3P VERT 57
PLASTIC PAINTED	WXP0243	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 3P VERT 71
PLASTIC PAINTED	WXP0234	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 4M ENT 57
PLASTIC PAINTED	WXP0204	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 4M ENT 71
PLASTIC PAINTED	WXP0214	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 4P HORIZ 71
PLASTIC PAINTED	WXP0205	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 5M ENT 71
PLASTIC PAINTED	WXP0206	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 6M ENT 57
PLASTIC PAINTED	WXP0208	EVO Profile - plastic painted 2K - PLASTIC PAINTED MISTRAL - 8M ENT 71
PLASTIC PAINTED	WXP0902	PLASTIC PAINTED NEW TAUPE - 1P
PLASTIC PAINTED	WXP0912	PLASTIC PAINTED NEW TAUPE - 2P HORIZ 71
PLASTIC PAINTED	WXP0922	PLASTIC PAINTED NEW TAUPE - 2P VERT 57
PLASTIC PAINTED	WXP0942	PLASTIC PAINTED NEW TAUPE - 2P VERT 71
PLASTIC PAINTED	WXP0913	PLASTIC PAINTED NEW TAUPE - 3P HORIZ 71
PLASTIC PAINTED	WXP0923	PLASTIC PAINTED NEW TAUPE - 3P VERT 57
PLASTIC PAINTED	WXP0943	PLASTIC PAINTED NEW TAUPE - 3P VERT 71
PLASTIC PAINTED	WXP0934	PLASTIC PAINTED NEW TAUPE - 4M ENT 57
PLASTIC PAINTED	WXP0904	PLASTIC PAINTED NEW TAUPE - 4M ENT 71
PLASTIC PAINTED	WXP0914	PLASTIC PAINTED NEW TAUPE - 4P HORIZ 71
PLASTIC PAINTED	WXP0905	PLASTIC PAINTED NEW TAUPE - 5M ENT 71
PLASTIC PAINTED	WXP0906	PLASTIC PAINTED NEW TAUPE - 6M ENT 57
PLASTIC PAINTED	WXP0908	PLASTIC PAINTED NEW TAUPE - 8M ENT 71
PLASTIC PAINTED	WXP0702	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 1P
PLASTIC PAINTED	WXP0712	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 2P HORIZ 71
PLASTIC PAINTED	WXP0722	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 2P VERT 57
PLASTIC PAINTED	WXP0742	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 2P VERT 71
PLASTIC PAINTED	WXP0713	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 3P HORIZ 71
PLASTIC PAINTED	WXP0723	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 3P VERT 57

PLASTIC PAINTED	WXP0743	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 3P VERT 71
PLASTIC PAINTED	WXP0734	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 4M ENT 57
PLASTIC PAINTED	WXP0704	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 4M ENT 71
PLASTIC PAINTED	WXP0714	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 4P HORIZ 71
PLASTIC PAINTED	WXP0705	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 5M ENT 71
PLASTIC PAINTED	WXP0706	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 6M ENT 57
PLASTIC PAINTED	WXP0708	EVO Profile - plastic painted 2K - PLASTIC PAINTED PETROL BLUE - 8M ENT 71
PLASTIC PAINTED	WXP0602	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 1P
PLASTIC PAINTED	WXP0612	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 2P HORIZ 71
PLASTIC PAINTED	WXP0622	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 2P VERT 57
PLASTIC PAINTED	WXP0642	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 2P VERT 71
PLASTIC PAINTED	WXP0613	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 3P HORIZ 71
PLASTIC PAINTED	WXP0623	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 3P VERT 57
PLASTIC PAINTED	WXP0643	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 3P VERT 71
PLASTIC PAINTED	WXP0634	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 4M ENT 57
PLASTIC PAINTED	WXP0604	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 4M ENT 71
PLASTIC PAINTED	WXP0614	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 4P HORIZ 71
PLASTIC PAINTED	WXP0605	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 5M ENT 71
PLASTIC PAINTED	WXP0606	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 6M ENT 57
PLASTIC PAINTED	WXP0608	EVO Profile - plastic painted 2K - PLASTIC PAINTED ROSE HIP RED - 8M ENT 71
PLASTIC PAINTED	WXP0802	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEL GREEN - 1P
PLASTIC PAINTED	WXP0812	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 2P HORIZ 71
PLASTIC PAINTED	WXP0822	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 2P VERT 57
PLASTIC PAINTED	WXP0842	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 2P VERT 71
PLASTIC PAINTED	WXP0813	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 3P HORIZ 71
PLASTIC PAINTED	WXP0823	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 3P VERT 57
PLASTIC PAINTED	WXP0843	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 3P VERT 71
PLASTIC PAINTED	WXP0834	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 4M ENT 57
PLASTIC PAINTED	WXP0804	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEL GREEN - 4M ENT 71
PLASTIC PAINTED	WXP0814	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 4P HORIZ 71
PLASTIC PAINTED	WXP0805	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEL GREEN - 5M ENT 71
PLASTIC PAINTED	WXP0806	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 6M ENT 57
PLASTIC PAINTED	WXP0808	EVO Profile - plastic painted 2K - PLASTIC PAINTED TEAL GREEN - 8M ENT 71
PLASTIC PAINTED	WXP0102	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 1P
PLASTIC PAINTED	WXP0112	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 2P HORIZ 71
PLASTIC PAINTED	WXP0122	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 2P VERT 57
PLASTIC PAINTED	WXP0142	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 2P VERT 71
PLASTIC PAINTED	WXP0113	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 3P HORIZ 71
PLASTIC PAINTED	WXP0123	EVO Profile - plastic painted 2k - PLASTIC PAINTED TITANE - 3P VERT 57
PLASTIC PAINTED	WXP0143	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 3P VERT 71
PLASTIC PAINTED	WXP0134	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 4M ENT 57
PLASTIC PAINTED	WXP0104	EVO Profile - plastic painted 2k - PLASTIC PAINTED TITANE - 4M ENT 71
PLASTIC PAINTED	WXP0114	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 4P HORIZ 71
PLASTIC PAINTED	WXP0105	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 5M ENT 71
PLASTIC PAINTED	WXP0106	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 6M ENT 57
PLASTIC PAINTED	WXP0108	EVO Profile - plastic painted 2K - PLASTIC PAINTED TITANE - 8M ENT 71
PLASTIC PAINTED	WXP1002	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 1P
PLASTIC PAINTED	WXP1012	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 2P HORIZ 71
PLASTIC PAINTED	WXP1022	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 2P VERT 57
PLASTIC PAINTED	WXP1042	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 2P VERT 71
PLASTIC PAINTED	WXP1013	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 3P HORIZ 71
PLASTIC PAINTED	WXP1023	EVO Profile - plastic painted 2k - PLASTIC PAINTED ANTHRACITE - 3P VERT 57
PLASTIC PAINTED	WXP1043	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 3P VERT 71
PLASTIC PAINTED	WXP1034	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 4M ENT 57
PLASTIC PAINTED	WXP1004	EVO Profile - plastic painted 2k - PLASTIC PAINTED ANTHRACITE - 4M ENT 71
PLASTIC PAINTED	WXP1014	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 4P HORIZ 71
PLASTIC PAINTED	WXP1005	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 5M ENT 71
PLASTIC PAINTED	WXP1006	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 6M ENT 57
PLASTIC PAINTED	WXP1008	EVO Profile - plastic painted 2K - PLASTIC PAINTED ANTHRACITE - 8M ENT 71

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Clause	Requirement + Test	Result - Remark	Verdict
8	**MARKING**		P
8.1	Accessories marked as follows:		
	- rated current (A) .....:	16	P
	- rated voltage (V) .....:	250	P
	- symbol for nature of supply .....:	~	P
	- manufacturer's or responsible vendor's name .....:	Hager	P
	- type reference .....:	WXF160B	P
	- degree of protection (first characteristic numeral) if higher than 2.....:		N/A
	- degree of protection (second characteristic numeral) if higher than 0.....:		N/A
	- degree of protection (first characteristic numeral) higher than 4 for fixed socket outlet in which case the second characteristic numeral shall also be marked ..... :		N/A
	- degree of protection (second characteristic numeral) higher than 2 for fixed socket outlet in which case the first characteristic numeral shall also be marked..... :		N/A
	Socket-outlets with screwless terminals marked with the following:		
	- the length of insulation to be removed .....:	12	P
	- an indication of the suitability to accept rigid conductors only (if any) .....:		N/A
8.2	Symbols used: as required in the standard		
	Marking for the nature of supply placed next to the marking for rated current and rated voltage		P
8.3	Marking of fixed socket-outlets placed on the main part:		
	- rated current, rated voltage and nature of supply		P
	- identification mark of the manufacturer or of the responsible vendor		P
	- length of insulation to be removed, if any		P
	- indication of the suitability to accept rigid conductors only for screwless terminals for those socket-outlets having this restriction	r	N/A
	- type reference		P
	Cover plates necessary for safety purposes and intended to be sold separately: marked with the manufacturer's or responsible vendor's name and type reference		P
8.5	Neutral terminals: N .....:		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Earthing terminals: [earth symbol] .....:		P
	Markings not placed on screws or other easily removable parts		P
	Terminals for conductors not forming part of the main function of the socket-outlet:		
	- clearly identified unless their purpose is self-evident, or		P
	- indicated in a wiring diagram fixed to the accessory		P
	Identification of such terminals may be achieved by:		
	- their being marked with graphical symbols according to IEC 60417-2 or colours and/or alphanumeric system, or		P
	- their being marked with their physical dimensions or relative location		P
8.8	Marking durable and clearly legible with normal or corrected vision, without additional magnification. Test: 15 s with water and 15 s with petroleum spirit		P
9	**CHECKING OF DIMENSIONS**		P
9.1	Accessories and surface-type mounting boxes comply with the appropriate standard sheets and corresponding gauges, if any	See Annex 1	
	Insertion of plugs into fixed or portable socket-outlets ensured by their compliance with the relevant standard sheets		P
	Compliance checked by measurement and by means of gauges with manufacturing tolerances as shown in table 2	See Annex 1	
9.2	It is not possible to engage a plug with:		
	- a socket-outlet having a higher voltage rating or a lower current rating;		P
	- a socket-outlet with a different number of live poles (exception admitted provided that no dangerous situation can arise);		P
	- a socket-outlet with earthing contact, if the existing plug of the present national system is a plug for class 0 equipment;		P
	Engagement of an existing plugs on the present national system for equipment of class 0 or of class I with a socket-outlet exclusively designed to accept plugs for class II equipment		P
	Impossibility of insertion checked by applying a gauge, for 1 min, with a force of:		
	- 150 N (rated current ≤ 16A);		P

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Clause	Requirement + Test	Result - Remark	Verdict
12	**TERMINALS AND TERMINATIONS**		P
	All the test on terminals, with the exception of the tests of 12.3 11 and 12.3.12, made after the test of clause 16		P
12.1	General		
12.1.1	Rewirable fixed socket-outlets provided with screw-type terminals or with screwless terminals ..... :	screwless terminals	P
	Clamping means of terminals: not serve to fix any other components		P
12.3	Screwless terminals for external copper conductors		P
12.3.1	Screwless terminals of the type suitable for:		
	- for both rigid and flexible copper conductors (tests carried out with rigid and then repeated with flexible conductors)		P
12.3.2	Screwless terminals provided with two clamping units each allowing the proper connection of rigid or of rigid and flexible conductors having nominal cross-sectional areas from 1,5 up to 2,5 mm^2 (table 7)		P
	Two conductors to be connected: each conductor introduced in a separate clamping unit		P
12.3.3	Screwless terminals allow the conductor to be connected without special preparation		P
12.3.4	Parts of screwless terminals intended for carrying current of materials as specified in 26.5		P
12.3.5	Screwless terminals clamp specified conductors with sufficient contact pressure without undue damage to the conductor		P
	Conductor clamped between metal surfaces		P
12.3.6	It is clear how the connection and disconnection of the conductors is to be made		P
	Disconnection of a conductor require an operation, other than a pull, so that can be made manually with or without a general-purpose tool		P
	It is not possible to confuse the opening intended for the use of a tool with the opening intended for the conductor		P
12.3.7	Screwless terminals intended for the interconnection of two or more conductors:		P

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Clause	Requirement + Test	Result - Remark	Verdict
	- the clamping of one of the conductors is independent of the clamping of the other conductor(s)		P
	- during the connection or disconnection the conductors can be connected or disconnected either at the same time or separately		P
	- each conductor introduced in a separate clamping unit.		P
	- it is possible to clamp securely any number of conductors up to the maximum as designed. Number of conductors; Nominal cross-sectional area (mm^2) ..... :	2,5	P
12.3.8	Screwless terminals of fixed socket-outlets: adequate insertion obvious and over-insertion prevented		P
12.3.9	Screwless terminals properly fixed to the socket-outlets		P
	Not work loose when conductors are connected or disconnected		P
	Self-hardening resins used to fix terminals not subject to mechanical stress		P
12.3.10	Screwless terminals withstand mechanical stresses occurring in normal use	See appended table 12.3.10	P
	During application of the pull conductor not come out of the terminal		P
	Additional test with apparatus shown in figure 11	See appended table 12.3.10	P
	During the test: conductors not moved noticeably in the clamping unit		P
	After these tests: neither terminals nor clamping means have worked loose and conductors show no deterioration		P
16	**RESISTANCE TO AGEING, PROTECTION PROVIDED BY ENCLOSURES, AND RESISTANCE TO HUMIDITY**		P
16.1	Resistance to ageing		P
	Accessories are resistant to ageing		P
	For accessories having a lid, the lid is closed during the test		P
	Accessories subjected to a test in a heating cabinet at (70 ± 2) °C for seven days (168 h)		P

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Clause	Requirement + Test	Result - Remark	Verdict
	After the tests, the specimens show:		
	- no crack visible with normal or corrected vision without additional magnification		P
	- no sticky or greasy material		P
	- no trace of cloth (forefinger pressed with 5 N)		P
	- no damage		P
16.2	Protection provided by enclosures		P
	Enclosures provide a degree of protection in accordance with the IP designation of the accessory		
16.2.1	Protection against access to hazardous parts and against harmful effects due to ingress of solid foreign objects		P
	Accessories and their enclosures provide a degree of protection against access to hazardous parts and against harmful effects due to ingress of solid foreign objects		P
	Fixed socket-outlets: mounted as in normal use on a vertical surface		P
	Flush-type and semi-flush type socket-outlets: mounted in an appropriate box according to the manufacturer's instructions		P
16.2.1.1	Protection against access to hazardous parts		P
	Appropriate test performed as specified in IEC 60529 (see also clause 10)	IP20	P
16.2.1.2	Protection against harmful effects due to ingress of solid foreign objects		P
	Appropriate test performed as specified in IEC 60529	IP20	P
16.3	Resistance to humidity		P
	Accessories proof against humidity which may occur in normal use		P
	Compliance checked by a humidity treatment carried out in a humidity cabinet containing air with relative humidity maintained between 91 % and 95 %		P
	Specimens kept in the cabinet for:		
	- two days (48 h) for accessories having IPX0		P
	After this treatment the specimens show no damage		P
17	**INSULATION RESISTANCE AND ELECTRIC STRENGTH**		P

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Clause	Requirement + Test	Result - Remark	Verdict
17.1	Insulation resistance measured 1 min after application of 500 V d.c.	See appended table 17.1	P
17.2	Electric strength: a.c. test voltage applied for 1 min	See appended table 17.2	P
18	**OPERATION OF EARTHING CONTACTS**		P
	Earthing contacts provide adequate contact pressure and not deteriorate in normal use		P
	Compliance checked by the tests of clauses 19 and 21		P
19	**TEMPERATURE RISE**		P
	Accessories constructed that they comply with the following temperature rise test		
	Non-rewirable accessories are tested as delivered		P
	The temperature rise of the terminals, terminations and clamping units according to Figure 44 determined by means of thermocouples do not exceed 45 K	See appended tables	P
19.1	Socket-outlets and plugs are tested as follows:		P
	Socket-outlets tested using a test plug with brass pins having the minimum specified dimensions	See appended table 19.1	P
	For this test the temperature rise is measured on the terminals and terminations.		P
20	**BREAKING CAPACITY**		P
	Accessories have adequate breaking capacity		P
	Compliance checked by testing:		
	- socket-outlets;	See appended table 20	P
	During the test: no sustained arcing occur		P
	After the test:		
	- specimens show no damage impairing their further use;		P
	- entry holes for the pins not show any damage which may impair the safety		P
21	**NORMAL OPERATION**		P
	Accessories withstand without excessive wear or other harmful effect, the mechanical, electrical and thermal stresses occurring in normal use		P
	Compliance checked by testing:		
	- socket-outlets;	See appended table 21	P

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Clause	Requirement + Test	Result - Remark	Verdict
	Test performed according to the procedure specified in Figure 43; point of Figure 43 at which the test program has begun (1, 2, 3) .....:	1	—
	Test current passed: 16		P
	- during each insertion and withdrawal of the plug (In ≤ 16A)		P
	During the test: no sustained arcing occur		P
	After the test the specimens do not show:		
	- wear impairing their further use;		P
	- deterioration of enclosures, insulating lining or barriers;		P
	- damage to the entry holes for the pins, that might impair proper working;		P
	- loosening of electrical or mechanical connections;		P
	- seepage of sealing compound		P
	Temperature-rise test (requirements of clause 19)	See appended table 21	P
	Electric strength (sub-clause 17.2)	See appended table 21	P
22	**FORCE NECESSARY TO WITHDRAW THE PLUG**		P
	Construction of accessory does allow the easy insertion and withdrawal of the plug, and prevent the plug from working out of the socket-outlet in normal use		P
22.1	Verification of the maximum withdrawal force	See appended table 22	P
22.2	Verification of the minimum withdrawal force	See appended table 22	P
24	**MECHANICAL STRENGTH**		
	Accessories, surface mounting boxes, screwed glands and shrouds have adequate mechanical strength		P
24.1	Fixed socket-outlets, portable multiple socket-outlets and surface-type mounting boxes: hammer test described in IEC 60068-2-75 (test EHA), equivalent mass of 250 g	See appended table 24.1	P
	After the test: no damage, live parts no become accessible		P
24.15	Force necessary for covers or cover-plates to come off or not to come off (accessibility with the test finger to non-earthed metal parts separated from live parts by creepage distances and clearances according to table 23)		P

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Clause	Requirement + Test	Result - Remark	Verdict
24.14.1	Verification of the non-removal of covers or cover-plates		
	Force (10 N / 20 N) applied for 1 min in direction perpendicular to the mounting surface (N) ..... :	10	—
	Covers or cover-plates did not come off		P
	Test repeated on new specimens with a sheet of hard material, 1 mm ± 0,1 mm thick, fitted around the supporting frame (fig. 31): covers or cover-plates did not come off		P
	After the test: no damage		P
24.14.2	Verification of the removal of covers or cover-plates		
	Force not exceeding 120 N applied 10 times in direction perpendicular to the mounting / supporting surface: covers or cover-plates came off		P
	Test repeated on new specimens with a sheet of hard material, 1 mm ± 0,1 mm thick, fitted around the supporting frame (fig. 31): covers or cover-plates came off		P
	After the test: no damage		P
24.17	Test with gauge of figure 7 applied according to figure 9 for verification of the outline of covers or cover-plates: distances between face C of gauge and outline of side under test, not decrease ..... :	complying	—
24.18	Test with gauge according to figure 5 applied as shown in figure 11 (1 N): gauge not enter more than 1mm ..... :	complying	—
25	**RESISTANCE TO HEAT**		P
25.1	Specimens kept for 1 h in a heating cabinet at (100 ± 2) °C for 1 h		P
	During the test: no change impairing their further use and sealing compound, if any, not flow		P
	After the test:		P
	- no access to live parts with probe B of IEC 61032 applied with a force not exceeding 5 N		P
	- markings still legible		P
25.2	Parts of insulating material necessary to retain current-carrying parts and parts of the earthing circuit in position, as well as parts of the front surface zone, 2 mm wide, surrounding the phase and neutral pin entry holes: ball-pressure test at (125 ± 2)°C for 1 h	See appended table 25.2	P

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Clause	Requirement + Test	Result - Remark	Verdict
25.3	Parts of insulating material not necessary to retain current-carrying parts and parts of the earthing circuit in position, even though in contact with them: ball-pressure test (1 h)	See appended table 25.3	P
26	**SCREWS, CURRENT-CARRYING PARTS AND CONNECTIONS**		P
26.1	Connections withstand mechanical stresses		P
	Threaded part torque test	See appended table 26.1	P
27	**CREEPAGE DISTANCES, CLEARANCES AND DISTANCES THROUGH SEALING COMPOUND**		P
27.1	Creepage distances, clearances and distances through sealing compound are not less than the values shown in table 23	See appended table 27.1	P
28	**RESISTANCE OF INSULATING MATERIAL TO ABNORMAL HEAT, TO FIRE AND TO TRACKING**		P
28.1	Resistance to abnormal heat and to fire		P
28.1.1	Glow-wire test according to IEC 60695-2-10 and IEC 60695-2-11	See appended table 28.1.1	P
29	**RESISTANCE TO RUSTING**		P
	Ferrous parts protected against rusting		P
	Test made after having removed all grease using a suitable degreasing agent: 10 min 10 % solution of ammonium chloride, 10 min in a box with air saturated with moisture and 10 min at (100 ± 5) °C:		P
	No signs of rust		P
	 		

12.3.10	**TABLE: mechanical strength test (screwless-type terminals)**		P
	rated current (A) .....:	16	—
	largest/smallest cross-sectional area per table 7 (mm^2) .....:	2,5 / 1,5	—

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Clause	Requirement + Test	Result - Remark	Verdict

Number of connection (after that conductor subjected to a pull of 30 N for 1 min) / disconnection	Type of conductor (solid / rigid stranded / flexible	Cross-sectional area (mm^2)	Remarks
5	solid	2,5	P
1	rigid stranded		P
5	solid		P
1	rigid stranded	1,5	P
5	flexible		P
5	flexible		P

	TABLE: test with apparatus shown in figure 11	P

Cross-sectional area (mm^2)	Type of conductor (solid / rigid stranded / flexible	Diameter of bushing hole per table 9 (mm)	Height H per table 9 (mm)	Mass (kg)	Remarks
2,5	solid	9,5	280	0,7	P
	rigid stranded	9,5	280	0,7	P
	solid	9,5	280	0,7	P
1,5	rigid stranded	6,5	260	0,4	P
	flexible	6,5	260	0,4	P
	flexible	6,5	260	0,4	P
supplementary information: Test on 18-0453;18-0454;18-0455					

17.1	TABLE: insulation resistance		P
Item per 17.1	test voltage applied between:	measured (MΩ)	required (MΩ)
A	between all poles connected together and the body, the measurement being made with a plug in engagement	>1000	>5
B	between each pole in turn and all others, these being connected to the body with a plug in engagement	>1000	>5
C	between any metal enclosure and metal foil in contact with the inner surface of its insulating linings, if any	>1000	>5
supplementary information: Test on 18-0462;18-0463;18-0464			

17.2	TABLE: electric strength	P

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Clause	Requirement + Test	Result - Remark	Verdict

	rated voltage (V) ..... :	250	—
item per 17.1	test voltage applied between:	test voltage (V)	flashover / breakdown (Yes/No)
A	between all poles connected together and the body, the measurement being made with a plug in engagement	2000	NO
B	between each pole in turn and all others, these being connected to the body with a plug in engagement	2000	NO
C	between any metal enclosure and metal foil in contact with the inner surface of its insulating linings, if any	2000	NO
supplementary information: Test on 18-0462;18-0463;18-0464			

19.1	**TABLE: temperature rise test for socket-outlets and plugs**		P
	rated current of accessory (A) ..... :	16	—
	type of accessory (non-rewirable / rewirable) .... :	rewirable	—
	nominal cross-sectional area per table 15 (mm^2) :	2,5	—
	type of conductors (rigid solid / rigid stranded / flexible) ..... :	rigid solid / rigid stranded / flexible	—
	nominal diameter of thread (mm); torque 2/3 of that specified in 12.2.8 (Nm ..... :	N/A	—

specimen	type of flexible cable (1)	number of conductors and nominal cross-sectional area (mm^2) (1)	test circuit (L-L/L-N/L-E)	test current (table 20) for 1 h (A)	measured ΔT (K)	allowed ΔT (K)	ΔT of external parts of insulating material (25.3)(K)
18-0462	N/A	N/A	L-E	22	43,4 – 44,2	45	<5
18-0463	N/A	N/A	L-E	22	41,9 – 41,2	45	<5
18-0464	N/A	N/A	L-E	22	43,7 – 43,1	45	<5
18-0462	N/A	N/A	L-N	22	32,3 – 31,6	45	<5
18-0463	N/A	N/A	L-N	22	32,4 – 31,7	45	<5
18-0464	N/A	N/A	L-N	22	31,9 – 30,9	45	<5

supplementary information:
(1) Non-rewirable accessories

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Clause	Requirement + Test	Result - Remark	Verdict

20	**TABLE: breaking capacity**		P
	rating of accessory (A/V) .....:	16/250	—
	type of accessory (non-rewirable / rewirable) ....:	rewirable	—
	type of flexible cable (non-rewirable accessories) .....:	N/A	—
	number of conductors and nominal cross-sectional area (mm^2) (non-rewirable accessories) .....:	N/A	—
	nominal cross-sectional area per table 15 (mm^2) :	2,5	—
	type of conductors (rigid solid / rigid stranded / flexible) .....:	rigid solid / rigid stranded / flexible	—
	nominal diameter of thread (mm); torque 2/3 of that specified in 12.2.8 (Nm) .....:	N/A	—
	rate of operation (strokes per minute) .....:	30	—

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Clause	Requirement + Test	Result - Remark	Verdict

specimen	test plug (for each type and current rating of socket-outlet)		test voltage (1,1 Vn) (V)	test current (1,25 In) cos φ 0,6 (A)	number of strokes (plugs only)	number of strokes, with shutters – with current (1)	number of strokes, without shutters – with current (2)	remarks	
	pin dimensions (mm)	pin spacing (mm)							
18-0462	4,8	19	275	20	N/A	100	-		P
18-0463	4,8	19	275	20	N/A	100	-		P
18-0464	4,8	19	275	20	N/A	100	-		P

supplementary information:
(1) starting point 1 or 3 of Figure 43
(2) starting point 2 of Figure 43

21	TABLE: normal operation		P
	rating of accessory (A/V) .....:	16/250	—
	type of accessory (non-rewirable / rewirable) ....:	rewirable	—
	type of flexible cable (non-rewirable accessories) .....:	N/A	—
	number of conductors and nominal cross-sectional area (mm^2) (non-rewirable accessories) .....:	N/A	—
	nominal cross-sectional area per table 15 (mm^2) :	2,5	—
	type of conductors (rigid solid / rigid stranded / flexible) .....:	rigid solid / rigid stranded / flexible	—
	nominal diameter of thread (mm); torque 2/3 of that specified in 12.2.8 (Nm) .....:	N/A	—
	rate of operation (strokes per minute) .....:	30	—

specimen	test plug (for each type and current rating of socket-outlet)		test voltage (Vn) (V)	test current (table 20), cos φ 0,8 (A)	number of strokes (plugs only)	number of strokes, with shutters – with current (1)	number of strokes, without shutters – with current (2)	number of strokes, with shutters – without current (3)	
	pin dimensions (mm)	pin spacing (mm)							
18-0462	4,8	19	250	16	N/A	10.000	-	-	P
18-0463	4,8	19	250	16	N/A	10.000	-	-	P
18-0464	4,8	19	250	16	N/A	10.000	-	-	P

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Clause	Requirement + Test	Result - Remark	Verdict

	TABLE: test for shuttered socket-outlets		P
specimen	**Gauge of figure 9, applied with a force of 20 N, for approximately 5 s, successively in three directions**	**Steel gauge of figure 10, applied with a force of 1 N for approximately 5 s, in three directions**	
18-0462	P	P	P
18-0463	P	P	P
18-0464	P	P	P

19	**TABLE: temperature rise test**				P
specimen	**test circuit (L-L/L-N/L-E)**	**test current (table 20 for clause 21) for 1 h (A)**	**measured dT (K)**	**allowed dT (K)**	
18-0462	L-E	16	23,7 – 22,7	45	P
18-0463	L-E	16	22,5 – 26,1	45	P
18-0464	L-E	16	23,8 – 22,9	45	P
18-0462	L-N	16	19,6 – 22,4	45	P
18-0463	L-N	16	18,1 – 18,5	45	P
18-0464	L-N	16	18,8 – 17,1	45	P

17.2	**TABLE: electric strength**				P
specimen	**item per 17.1**	**test voltage applied between:**	**test voltage (V)**	**flashover / breakdown (Yes/No)**	
18-0462 18-0463 18-0464	A	between all poles connected together and the body, the measurement being made with a plug in engagement	1500	NO	
	B	between each pole in turn and all others, these being connected to the body with a plug in engagement	1500	NO	
	C	between any metal enclosure and metal foil in contact with the inner surface of its insulating linings, if any	1500	NO	

supplementary information:
(1) starting point 1 or 3 of Figure 43
(2) starting point 2 of Figure 43
(3) starting point 1 or 2 of Figure 43

22	**TABLE: force necessary to withdraw the plug**		P
	Rated current (A) .....:	16	—
	Number of poles .....:	3	—
22.1	**Verification of the maximum withdrawal force**		P

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Clause	Requirement + Test	Result - Remark	Verdict

specimen	socket-outlets (multi-pin gauge)		plugs with resilient earthing contact assemblies (single-pin gauge)		
	maximum withdrawal force (N)	the test plug did not remain in the socket-outlet (Y/N)	maximum withdrawal force (N)	the test pin gauge did not remain in the contact assembly	
18-0462	54	Y	N/A	N/A	P
18-0463	54	Y	N/A	N/A	P
18-0464	54	Y	N/A	N/A	P
22.2	**Verification of the minimum withdrawal force**				P
specimen	**socket-outlets (single-pin gauge)**		**plugs with resilient earthing contact assemblies (single-pin gauge)**		
	minimum withdrawal force (N)	**the test pin gauge did not fall from each individual contact-assembly within 30 s (Y/N)**	**minimum withdrawal force (N)**	**the test pin gauge did not fall from each individual earthing contact-assembly within 30 s (Y/N)**	
18-0462	2	Y	N/A	N/A	P
18-0463	2	Y	N/A	N/A	P
18-0464	2	Y	N/A	N/A	P
supplementary information:					

24.1	**TABLE: impact test**			P
part of enclosure tested per table 21 (A, B, C, D)	**blows per part**	**height of fall (mm)**	**comments**	
A	5	100		
supplementary information: Test on 18-0462;18-0463;18-0464				

25.2	**TABLE: ball pressure test of insulating materials**		P
	allowed impression diameter (mm) .....:	**≤ 2 mm**	—
part under test		**test temperature (°C)**	**impression diameter (mm)**
Socket Base		125	1,11
Front cover		125	0,96
supplementary information:			
Front cover	Socket Base		

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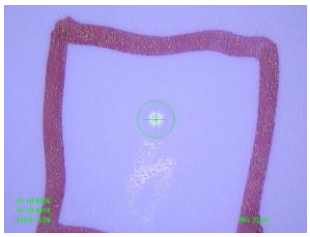
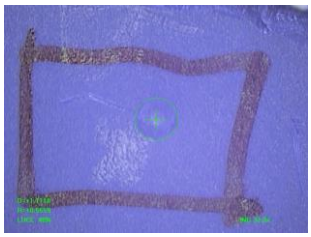
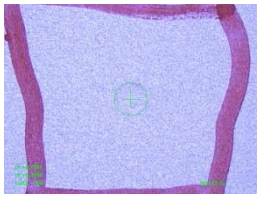
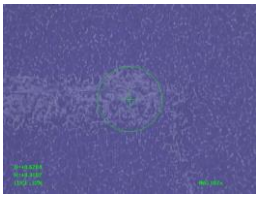
Clause	Requirement + Test	Result - Remark	Verdict

25.3	**TABLE: ball pressure test of insulating materials**		P
	allowed impression diameter (mm) .....:	**≤ 2 mm**	—

part under test	**test temperature (°C) (1)**	**impression diameter (mm)**
Plate	70	0,79
Under plate	70	0,62

supplementary information:(1) (70 ± 2) °C / (40 ± 2) °C + highest temperature rise determined during the test of clause 19

Plate	Under plate
	

26.1	**TABLE: threaded part torque test**					P
threaded part identification	**diameter of thread (mm)**	**column number (1, 2 or 3)**	**applied torque (Nm)**	**times (5/10)**	**no damage**	
Claws screw	2,9	2	0,5	5	P	
supplementary information:						

27.1	**TABLE: creepage distances, clearances and distances through sealing compound**						**P**
	rated voltage (V) .....:	**250**					—
item per table 23	**creepage distance dcr, clearance cl and distance through sealing compound dtsc at/of:**	**required cl (mm)**	**cl (mm)**	**required dcr (mm)**	**dcr (mm)**	**required dtsc (mm)**	**dtsc (mm)**
1 and 6	Between live parts of different polarity	≥ 3	4,29	≥ 3	35,13	≥	-
2 and 7	Between live parts and accessible surface of parts of insulating material	≥ 3	8,50	≥ 3	24,64	≥	-

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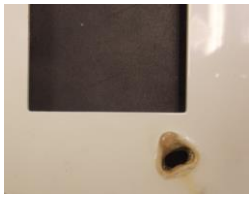
Clause	Requirement + Test	Result - Remark	Verdict

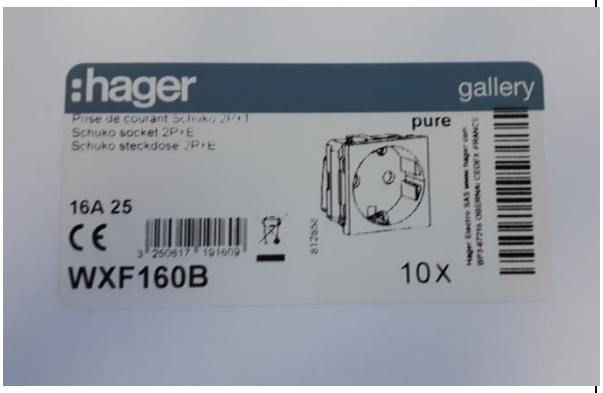
2 and 7	Between live parts and metal frames supporting the base of flush-type socket-outlets	≥ 3	31,12	≥ 3	60,08	≥	-
supplementary information:							

28.1.1	**TABLE: glow-wire test**				
part under test	**material designation**	**test temperature (°C)**	**visible flame and sustained glowing (Y/N)**	**flame and glowing extinction time**	**ignition of the tissue paper (Y/N)**
Socket Base	Policarbonate	850	Y	5	N
Front cover	Policarbonate	650	N	0	N
Plate	Policarbonate	650	N	0	N
Under plate	Policarbonate	650	N	0	N
supplementary information:					

Front cover	Socket Base	Plate + Under plate
		

IEC 60884-1 / National Differences-Germany: DIN VDE 0620-1 (VDE 0620-1):2013-03			
Clause	Requirement + Test	Result - Remark	Verdict

National Differences-Germany IEC 60884-1, 3rd edition (2002) + Amendment 1 (2006) and DIN VDE 0620-1 (VDE 0620-1):2016-01 including DIN VDE 0620-1/A1(VDE 0620-1/A1):2017-09			
8	Markings		
8.6	Marking of fixed surface socket-outlets IP X4: - clearly marked that the drain hole shall be opened in the lowest mounting position		N/A
8.8	Markings - durable and easily legible - not less than 3 mm if possible		P
8.10	Notes according to annex E fitted at the smallest closed sales unit		N/A
8.11	Name and contact address of the manufacturer on the smallest closed sales unit		P



9	Checking of dimensions		
9.1	Accessories complies with:	DIN 49440-1 DIN 49440-5	P
	Insertion of a suitable plug (10 times)		P
	Application of gauges L1, L2, L3, L4, L5, L8		P
9.2	Application of gauge 11 *Anwendung der Lehre 11*		P
10	Protection against electric shock		
10.6.1	Application of gauge 14		P
10.6.2	Side earthing contacts:		
	- Load with device, picture 43		P
	- Torque: 100 +0/-5 Ncm for 1 minute		P
	- Gauge 4 can be inserted		P

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Clause	Requirement + Test	Result - Remark	Verdict
16	Resistance to ageing, protection provided by enclosures, and resistance to humidity		
16.2	IP Test of fixed socket-outlets additionally with inserted plug of the same protection degree	IP20	P
18	Operation of earthing contacts		
18.1	Side earthing contacts of socket-outlets tested with test apparatus according to fig. 14: Average value of the forces > 5 N		P

Specimen	Earthing contact of side	1. Measurement	2. Measurement (180° rotated)	ø Value (min. 5 N)	Verdict
18-0462	1	8,2	7,9	8,1	P
	2	8,0	8,5	8,3	P
18-0463	1	8,7	8,5	8,6	P
	2	7,7	7,8	7,8	P
18-0464	1	8,5	8,3	8,4	P
	2	7,7	8,1	7,9	P

19	Temperature rise		
	Socket-outlets tested using a test plug according fig. 16		P
	Test current as specified in table 20 passed for 1 h (A)		P
	Temperature rise of terminals and internal connections not exceed 45 K		P
21	Normal operation		
	The test with shutters – without current is not permitted		P
	After the normal operation test, bend up the earthing contacts as far as possible but not more than 35 mm, for 48 h		P
	After this time, the socket-outlets have to comply with clause 18.1. The average value may not be less than 60 % of the value measured during clause 18.1 or less than 5 N.		P

IEC 60884-1 / National Differences-Germany: DIN VDE 0620-1 (VDE 0620-1):2013-03			
Clause	Requirement + Test	Result - Remark	Verdict

Specimen	Earthing contact of side	1. Measurement	2. Measurement (180° rotated)	ø Value (min. 5 N)	Min. 60 % of value of clause 18.1	Verdict
A	1	6,8	6,3	6,5	4,8	P
	2	6,4	6,6	6,5	5,0	P
B	1	7,7	7,1	7,4	5,2	P
	2	6,0	6,3	6,1	4,7	P
C	1	6,9	6,3	6,6	5,0	P
	2	6,1	6,7	6,4	4,7	P

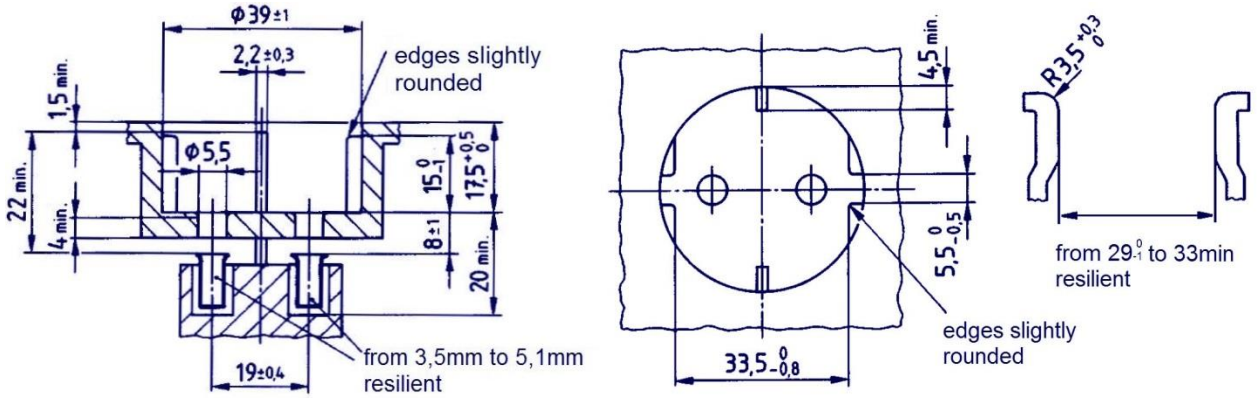
22	Force necessary to withdraw the plug		
22.1.1	Application of gauge16a		P
22.2	Application of gauge 2A (3,8mm, 200g)		P

IEC 60884-1 / National Differences-Germany: DIN VDE 0620-1 (VDE 0620-1):2013-03			
Clause	Requirement + Test	Result - Remark	Verdict

Annex 1: Standard Sheet DIN 49440-1

IEC 60884-1
Plugs and socket-outlets for household and similar purposes
ANNEX 1: Dimensions DIN 49440-1

Accessories and surface-type mounting boxes comply with the appropriate standard sheets and corresponding gauges, if any	**A: 18-0462** **B: 18-0463** **C: 18-0464**	**P**



Specimen	39 ± 1	2,2 ± 0,3	8 ± 1	22 min.	1,5 min.	15 - 1	20 min.	17,5 + 0,5
A	38,7	2,3	8,7	22,9	3,4	14,5	21,5	17,6
B	38,7	2,4	8,8	22,9	3,4	14,5	21,6	17,6
C	38,7	2,3	8,8	22,9	3,4	14,5	21,6	17,6
	33,5 - 0,8	**5,5 - 0,5**	**4,5 min.**	**29 - 1**	**33 min.**	**29 - 1**	**3,5 + 0,3**	**3,5 / 5,1 resilient**
A	33,3	5,3	5,7	28,4	33	28,5	3,7	P
B	33,3	5,3	5,7	28,2	33	28,5	3,7	P
C	33,4	5,3	5,7	28,2	33	28,4	3,7	P
	5,5 + 0,3	**19 ± 0,4**	**4 min.**	**No additional entry holes**				
A	5,6	19,1	7,2	P				
B	5,7	19,1	7,3	P				
C	5,6	19,1	7,2	P				

	Gauge 1	Gauge 2A	Gauge 3	Gauge 4	Gauge 5	Gauge 8	Gauge 10A / 10B	Gauge 11
A	P	P	P	P	P	P	P	P
B	P	P	P	P	P	P	P	P
C	P	P	P	P	P	P	P	P
Remark	shall not be insertable	shall not fall from the contact assembly within 30 sec.	both sides shall be insertable	shall be insertable	biggest insertable gauge used. Long side shall / short side shall not reach the contacts	shall be insertable without excessive force	no pin shall come in contact with live parts	shall not be insertable

dimensions in mm

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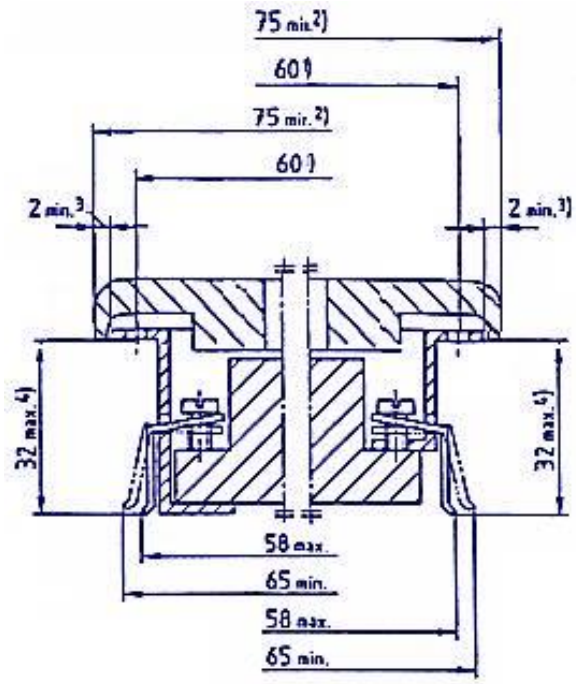
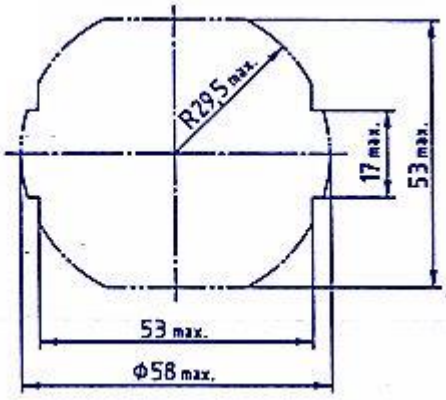
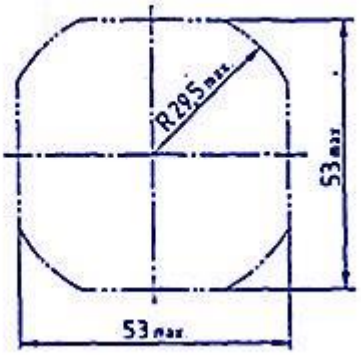
IEC 60884-1 / National Differences-Germany: DIN VDE 0620-1 (VDE 0620-1):2013-03			
Clause	Requirement + Test	Result - Remark	Verdict

IEC 60884-1
Plugs and socket-outlets for household and similar purposes
ANNEX 2: Dimensions DIN 49440-5

Accessories and surface-type mounting boxes comply with the appropriate standard sheets and corresponding gauges, if any	**A: 18-0453** **B: 18-0454** **C: 18-0455**	**P**







Specimen	75 min.	60 +0,5 -0,2	2 min.	29,5 max.	53 max.	53 max.	17 max.	58 max.
A	91,7	60,1	8,7					
B	91,7	60,1	8,8					
C	91,7	60,2	8,7					
	32 max.	**58 max.**	**65 min.**	**29,5 max.**	**53 max.**	**53 max.**		
A	24,8	52,9	70,2					
B	24,8	52,8	70,3					
C	24,8	53,0	70,1					

dimensions in mm

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Annex 3: List of the applied measurement instruments and testing means

Clause	Measurement / testing	Testing / measuring equipment / material used	Range used	Calibration due date
9	Time	W8T0002-01	-	09/2019
9	Gauge	W8G0009-01	-	03/2019
9	Gauge	W8M0039-01	-	05/2020
9	Gauge	W8D0082-03	-	03/2019
9	Gauge	W8G0016-01	-	09/2018
9	Gauge	W8D0044-03	-	05/2018
9	Gauge	W8D0076-03	-	03/2019
9	Gauge	W8D0089-03	-	05/2018
9	Gauge	W8D0088-03	-	05/2018
9	Gauge	W8D0042-03	-	03/2019
10	Gauge	W8D0032-03	-	09/2020
10	Mass	W8M0042-01	-	09/2019
10	Time	W8T0002-01	-	09/2019
10	Gauge	W8G0014-01	-	09/2019
10	Gauge	W8N0010-01	-	09/2019
10	Gauge	W8D0009-03	-	12/2019
12	Time	W8T0002-01	-	09/2019
12	Mass	W8M0032-01	-	12/2018
12	Accessory	W8N0005-05	-	09/2019
12	Mass	W8M0015-01	-	12/2019
12	Mass	W8M0016-01	-	12/2019
16	Temperature	W8K0001-04	0-125° C	09/2019
17	Electric	W8E0001-06	-	10/2018
17	Time	W8T0002-01	-	09/2019
17	Electric	W8E0001-06	0 – 2000V	10/2018
18	Force	W8N0001-04	0-20N	03/2019
19	Electric	W8E0002-02	10-40A	10/2018
19	Electric	W8E0009-04	-	10/2018
19	Electric	W8E0005-10	-	10/2018
20	Electric	W8E0001-12	-	10/2018
21	Electric	W8E0001-12	-	10/2018
22	Gauge	W8M0047-01	-	12/2018
22	Mass	W8M0008-01	-	12/2019

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22	Gauge	W8M0037-01	-	05/2020
22	Time	W8T0002-01	-	09/2019
24	Accessory	W8N0004-05	-	09/2020
24	Mass	W8M0040-01	-	09/2019
24	Force	W8M0017-01	-	09/2019
24	Accessory	W8D0005-01	-	09/2020
24	Time	W8T0002-01	-	09/2019
25	Temperature	W8K0001-04	0-125° C	09/2019
25	Force	W8N0004-02	-	02/2020
26	Time	W8T0002-01	-	09/2019
26	Force	W8N0006-01	-	09/2019
28	Temperature	W8K0002_05	-	10/2018
28	Time	W8T0002-01	-	09/2019
29	Temperature	W8K0001-04	0-125° C	09/2019
29	Time	W8T0002-01	-	09/2019