



**JABATAN KERJA RAYA MALAYSIA
UNIT PENSIJILAN BAHAN DAN STANDARD
CAWANGAN KEJURUTERAAN ELEKTRIK**

TECHNICAL INFORMATION

SOCKET OUTLETS



A. COMPANY INFORMATION						
COMPANY NAME:						
ADDRESS:			TELEPHONE NO:			
			FAX NO:			
			COMPANY EMAIL:			
ISO CERTIFIED COMPANY			REGISTRATION NO:		SCOPE:	
1. ISO 9001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	.....	.....
2. ISO 14001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	.....	.....
3. ISO 50001	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	.....	.....
4. ISO	<input type="checkbox"/>	YES	<input type="checkbox"/>	NO	.....	.....

B. PRODUCT INFORMATION	
STANDARD NO.: (MS IEC/IEC/etc.)	
CERTIFICATE OF APPROVAL : (SURUHANJAYA TENAGA)	DATE OF ISSUE:
	VALID UNTIL:
PRODUCT CERTIFICATION : LICENSE (SIRIM/OTHER)	DATE OF ISSUE:
	VALID UNTIL:
TEST REPORT NO.:	TESTING LABORATORY:
	DATE OF ISSUE:
COUNTRY OF MANUFACTURE:	
NAME OF MANUFACTURER:	
FACTORY ADDRESS :	

B. PRODUCT INFORMATION (CONT.)

BRAND:				STANDARD NO : MS 589-2 / MS 1577		
NO.	MODEL NO :	RATED CURRENT	RATED VOLTAGE AND FREQUENCY	CLASSIFICATIONS (No. of gang , Flush mounted / surface mounted, With / without neon, switched/unswitched)	Remarks (Rocker / face plate available in white, yellow or red.)	Picture

**Please use separate sheet if this space is insufficient.*

C. STANDARDS AND SPECIFICATIONS					
<i>Please tick (✓) where applicable.</i>					
No.	Descriptions	Yes	No	Remarks	
1.	Two (2) pole, earthing pin type socket-outlets.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
2.	Socket holes must be fitted with safety shutters .	<input type="checkbox"/>	<input type="checkbox"/>	_____	
3.	13A socket-outlets shall comply with MS589.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
4.	15A socket-outlets shall comply with MS1577.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
5.	13A socket-outlets shall be of rectangular pin type.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
6.	15A socket-outlets shall be of round pin type.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
7.	Socket-outlets shall be supplied with two (2) flat base chrome screws for fixing the socket-outlet plate to its back box.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
8.	Brand name shall be embossed/printed at the front part of the socket outlet plate.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
9.	Model name shall be embossed/printed at the back part of the socket-outlet plate.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
10.	Marking information on product must be clearly legible and durable.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
11.	Visible ON and OFF (or '1' and '0') marking to indicate the direction of the movement of the actuating members.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
12.	Terminal screws shall be made of brass.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
13.	The glow wire test shall be performed as per MS IEC 60695-2-1.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
14.	Wiring for indicator light must be permanently terminated. (for socket-outlets with built-in indicator light)	<input type="checkbox"/>	<input type="checkbox"/>	_____	
15.	The terminals shall not be used for clamping external conductors.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
16.	Back boxes shall be metalclad type and supplied by the same manufacturer.	<input type="checkbox"/>	<input type="checkbox"/>	_____	
17.	Earth terminal shall be indicated by the symbol 'E' or  or 	<input type="checkbox"/>	<input type="checkbox"/>	_____	
18.	Product shall be free of obvious defects. (Sharp edges, poor construction, and burr)	<input type="checkbox"/>	<input type="checkbox"/>	_____	

C. STANDARDS AND SPECIFICATIONS (cont...)

19. Component lists.

Components	Technical Data	Manufacturer	Mill Certificate Number
Cover / Face plate			
Rocker			
Base			
Shutter			
Button			
Actuating member			
Common hole cover			
Earth Socket Contact			
Neutral Socket Contact			
Earth Strap			
Live Strap			
Live Terminal plate			
Terminal Screw			
Mounting Screw			
Silver contact point			
Shutter spring			
Actuating member spring			
Terminal Screw			
Mounting Screw			
Hollow rivet			
Socket contact			
Neon Indicator cover			
Neon bulb			
Metal cover & base			
Middle cover			

D. TYPE TEST CHECKLIST [With Reference To MS 589-2 (13A Socket-Outlets)]

Test Report No : _____

Accredited Laboratory : _____

Clause	Title / Descriptions	Result	Page No
6	Classification	.....	.....
7	Marking and Labelling	.....	.....
8	Clearances, creepage distances and solid insulation	.....	.....
9	Accessibility of live parts	.....	.....
10	Provision for earthing	.....	.....
11	Terminals and terminations	.....	.....
12	(Not used)	.....	.....
13	Construction of socket-outlets	.....	.....
14	Resistance to ageing and to humidity	.....	.....
15	Insulation resistance and electric strength	.....	.....
16	Temperature rise	.....	.....
17	Breaking capacity of socket-outlets	.....	.....
18	Normal operation of socket-outlets	.....	.....
19	Connection of flexible cords and cord anchorage	.....	.....
20	Mechanical strength	.....	.....
21	Screws, current-carrying parts and connections	.....	.....
22	Resistance to heat	.....	.....
23	Resistance to abnormal heat and fire	.....	.....
24	Resistance to excessive residual stresses and to rusting	.....	.....

D. TYPE TEST CHECKLIST [With Reference To MS 1577 (15A Socket-Outlets)]

Test Report No : _____

Accredited Laboratory : _____

Clause	Title / Descriptions	Result	Page No
6	Marking	-----	-----
7	Clearances and creepage distances	-----	-----
8	Precautions against accidental contact	-----	-----
9	Positions of socket contacts	-----	-----
10	Engagement of pins and contacts	-----	-----
11	Spacing of pins and contacts	-----	-----
12	Earthing of exposed metal parts	-----	-----
13	Construction of plugs	-----	-----
14	Construction of socket-outlets	-----	-----
15	Switch action	-----	-----
16	Interchangeability	-----	-----
17	Effectiveness of contact	-----	-----
18	Moisture resistance	-----	-----
19	Insulation resistance and high voltage test	-----	-----
20	Temperature rise	-----	-----
21	Breaking capacity	-----	-----
22	Normal operation	-----	-----
23	Resistance to heat	-----	-----
24	Resistance to abnormal heat, fire and tracking	-----	-----
25	Resistance to excessive residual stresses and to rusting	-----	-----

E. OTHERS (Please Specify)

1.
2.
3.

F. PENGESAHAN

Adalah saya dengan ini mengesahkan segala keterangan yang diberikan/dikemukakan bagi produk di atas adalah benar. Jika saya didapati membuat pengakuan **PALSU**, maka tindakan seterusnya boleh diambil oleh pihak JKR ke atas diri dan syarikat diwakili oleh saya.

Cop Syarikat :



Tandatangan :

Nama :

Jawatan :

Tarikh :

G. ULASAN (Untuk Kegunaan Pejabat)

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