

ECS operational staff meeting household appliances decision sheet			OSM HA N°459
Sub cl.	Meeting	Agenda item	Document
15.2	24	9.2	(NL)04/2010
Standard	EN 60335-2-08:2003 + A1:05 + A2 :08 EN 60335-2-08 :2015 + A1 :2016		Date 2017-02-08
Question	<p>There are some power plugs with incorporated AC/DC converters available on the market for shavers which bear the IP X4 or IPX7 classification. Some of these power plugs with incorporated AC/DC converters the comply as a standalone unit with the IPX4 or IPX7 classification (see picture), but when combined with a socket outlet do not comply with the IPX4 or IPX7 classification. Questions:</p> <p>1a) Can a product with a certain IP class classification be equipped with a plug with a lower IP classification? 1b) Does it make a difference if the particular standard of the product requires a certain IP classification?</p> <p>2a) Is the IP classification of a plug always related to the combination of plug in the socket? 2b) Or is the IP classification of a plug (for example plug with incorporated AC/DC converter) related to the plug as standalone.</p>		
Decision	<p>Q1a- YES in 6.2 of Part 2-8 IPX4 is required for plug-in in appliances with means that it is assumed that IP degree corresponds only to the enclosure and not to the pins. Q1b- it depends on correspondent Part 2 but in general the IP applies only to the enclosure and not the pins as stated in 15.1 nQ2a- NO, the IP correspond only to the body of the appliance or transformer for protection (f.e. during cleaning of washable shavers) Q2b- NO, but in some Part 2 an IP for the plug (i.e. part 2-8) is not required for the plug</p>		
Explanatory notes	The Secretary will send this note to OSM/LUM that has in charge EN 61558-1.		

