

## CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Publication Date
IEC 61439-1:2020	Clause 10.3	DSH 2202	2023-08-14
<b>Category</b>			
POW			
<b>Subject</b>	<b>Keywords</b>	<b>Developed by</b>	
IP3X/IP4X, ingress of foreign bodies	IP3X, IP4X, IEC 60529	ETF 7	
<b>Question</b>			
When testing an enclosure according IEC 61439-1, is it allowed to open a door of an enclosure, to be able to verify the ingress of foreign bodies with test probe and applicable force for an labyrinth of an enclosure (note in clause 13.3 of IEC 60529)?			
<b>Decision</b>			
IP tests shall be carried out with all doors and covers closed and secured as in normal service. Doors and covers shall not be opened to provide different access for the test probe (Concluded in SC121B/MT2 meeting July 2022).			
<b>Explanatory notes</b>			
<p>Annex B of IEC 60529:2013 states that it is the responsibility of relevant technical committees to specify in their relevant product standards all details concerning the application of the IP Code to a particular type of equipment.</p> <p>In Annex B provides a list given as a guide to describe what detailed information has to be specified in product standards. Under point 11) state and condition of test samples if different from the "general requirements for tests" (see 11.2);</p> <p>IEC 61439-1:2020 states the state and condition of the test sample: 'Degree of protection (IP code) tests shall be carried out with all covers and doors in place and closed as in normal service, irrespective of whether they can be opened or removed with or without the use of key or tool'.</p>			

**Adopted by  
OSM-IN**