

<b>Test Report No.:</b>	<b>CN22FSJT 002</b>	<b>Order No.:</b>	168379999	Page 1 of 13	
<b>Client Reference No.:</b>	N/A	<b>Order date:</b>	Mar-06-2023		
<b>Client:</b>	<b>Scangrip A/S</b> Rytterhaven 9 5700 Svendborg, Denmark				
<b>Test item:</b>	SCANGRIP CONNECT				
<b>Identification / Type no. :</b>	See model No. in page 2				
<b>Order content:</b>	Test Report				
<b>Test specification:</b>	Tested per requirement from client (See test content in report)				
<b>Date of receipt:</b>	N/A	See product photo from page 3			
<b>Test sample No.:</b>	N/A				
<b>Testing period:</b>	N/A				
<b>Place of testing:</b>	N/A				
<b>Testing laboratory:</b>	TÜV Rheinland (Shenzhen) Co., Ltd.				
<b>Test result*:</b>	<b>Pass</b>				
<b>Tested by:</b>	<i>Jinhui Tan</i>		<b>Reviewed by:</b>	<i>Eddie Tan</i>	
Mar-10-2023	Jinhui Tan / Project Engineer	Mar-10-2023	Eddie Tan / Technical Reviewer		
<b>Date</b>	<b>Name / Position</b>	<b>Signature</b>	<b>Date</b>	<b>Name / Position</b>	<b>Signature</b>
<b>Other:</b>					
This report is based on report# CN22FSJT 001. Release this report to add model# 03.6156C CONNECT PANASONIC which is identical with other models except their enclosure.					
The completed test report includes the following document:					
<ul style="list-style-type: none"> <li>The report with cover page (13 pages).</li> </ul>					
Condition of the test item at delivery:			Test item complete and undamaged		
*Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested					
<b>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</b>					

Test Report No.:	CN22FSJT 002	Page 2 of 13
<b>Model No.</b>	03.6140C CONNECT BOSCH 03.6141C CONNECT BOSCH GREEN 03.6142C CONNECT DEWALT 03.6143C CONNECT EINHELL 03.6144C CONNECT FEIN 03.6145C CONNECT FLEX 03.6146C CONNECT HAZET 03.6147C CONNECT HIKOKI 03.6148C CONNECT MAKITA 03.6149C CONNECT MILWAUKEE 03.6150C CONNECT WÜRTH 03.6151C CONNECT SNAP-ON 03.6152C CONNECT INGERSOLL 03.6153C CONNECT FESTOOL 03.6154C CONNECT RIDGID 03.6155C CONNECT BERNER 03.6156C CONNECT PANASONIC	
<b>Ratings</b>	18Vdc	
<b>Overcurrent Fuse</b>	10A	
<b>Discharge voltage protection</b>	14.5Vdc	
<b>Temperature Protection</b>	50°C	
<b>Manufacturer</b>	Same as client	
<b>Factory</b>	Same as client	
<b>Place of testing</b>	SHENZHEN ALPHA PRODUCT TESTING CO., LTD. Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China	
<b>Remark</b>	The inside circuit of all models are identical, only different in outer enclosure. Tested on model 03.6140C to represent others. All CONNECTORS are for using with Scangrip CONNECT lamps.	

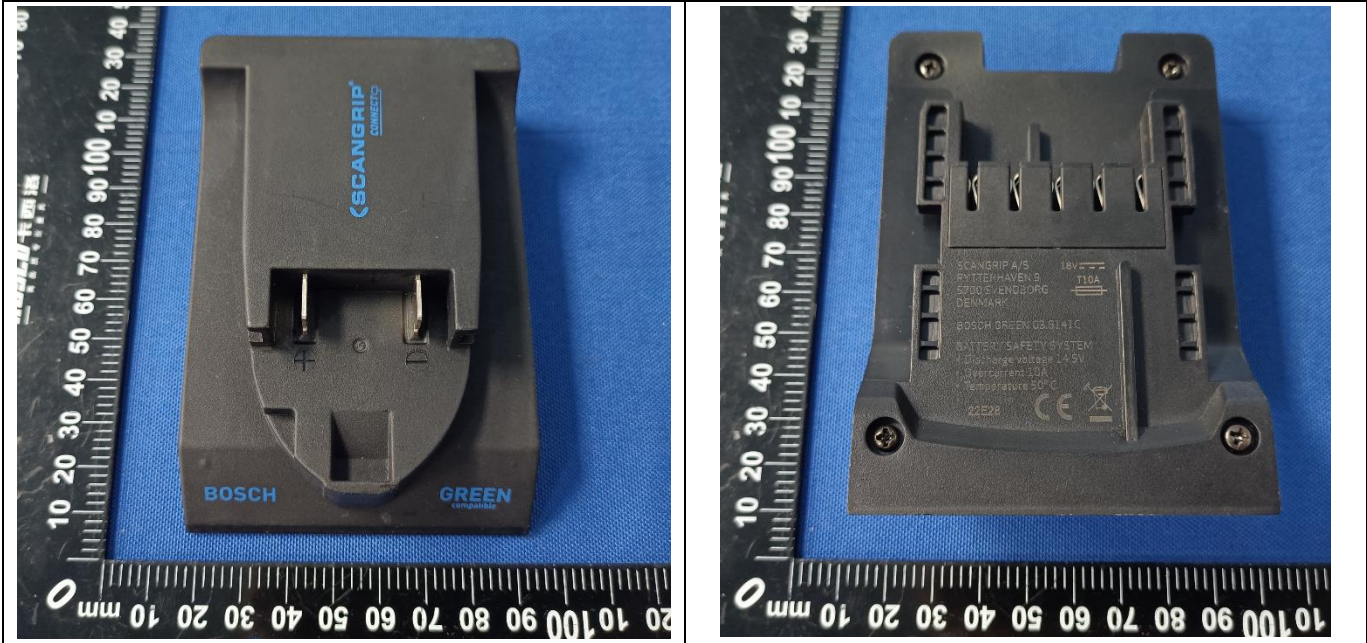
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**PRODUCT PHOTOS:**

03.6140C CONNECT BOSCH

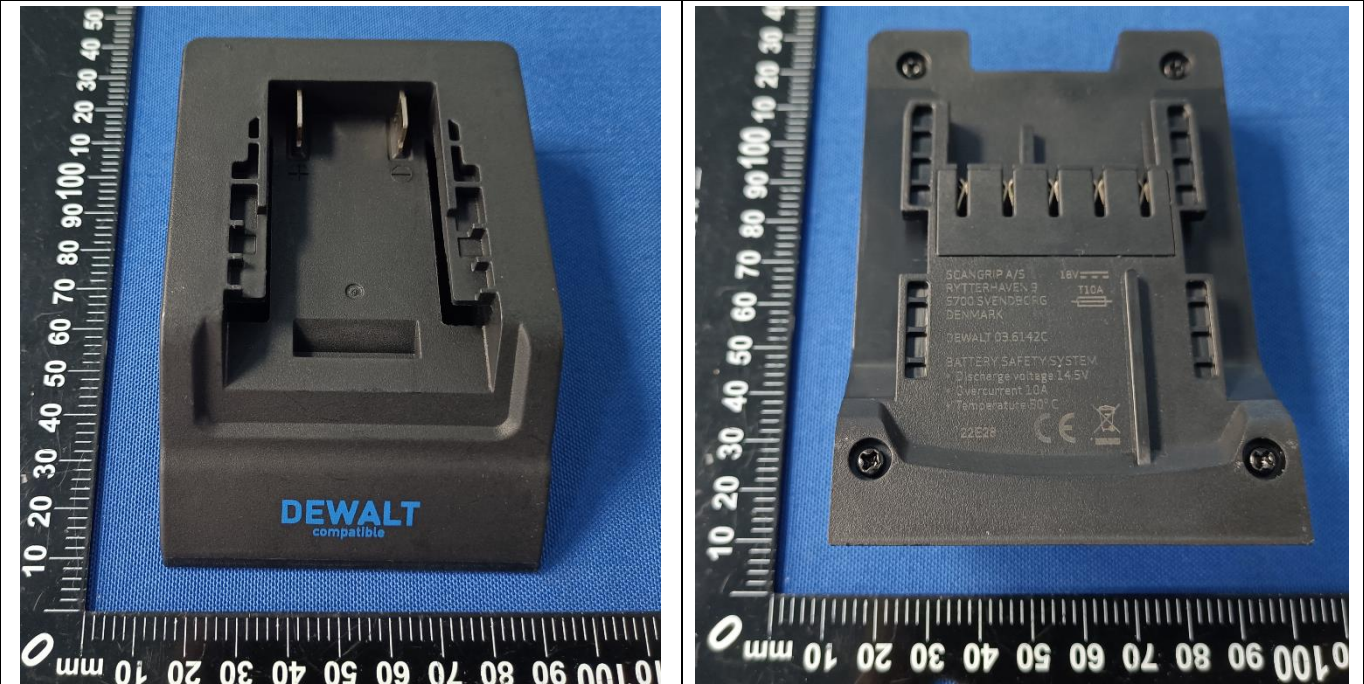


03.6141C CONNECT BOSCH GREEN

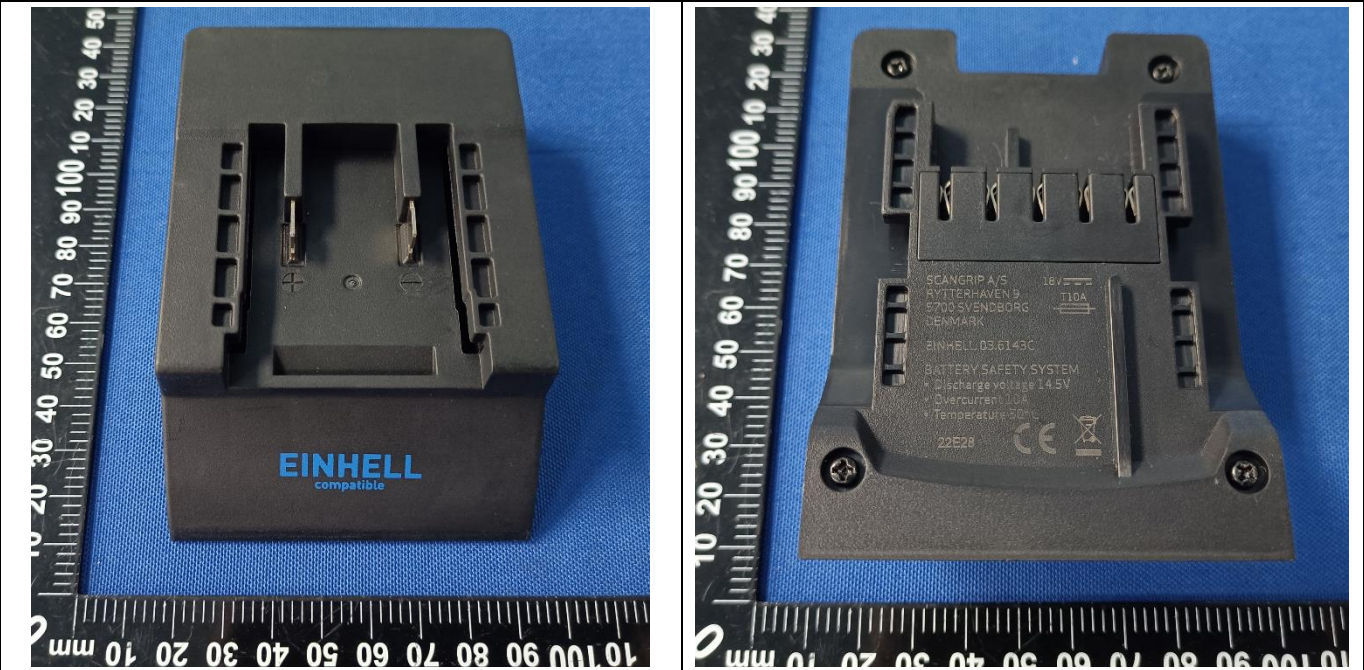


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03.6142C CONNECT DEWALT

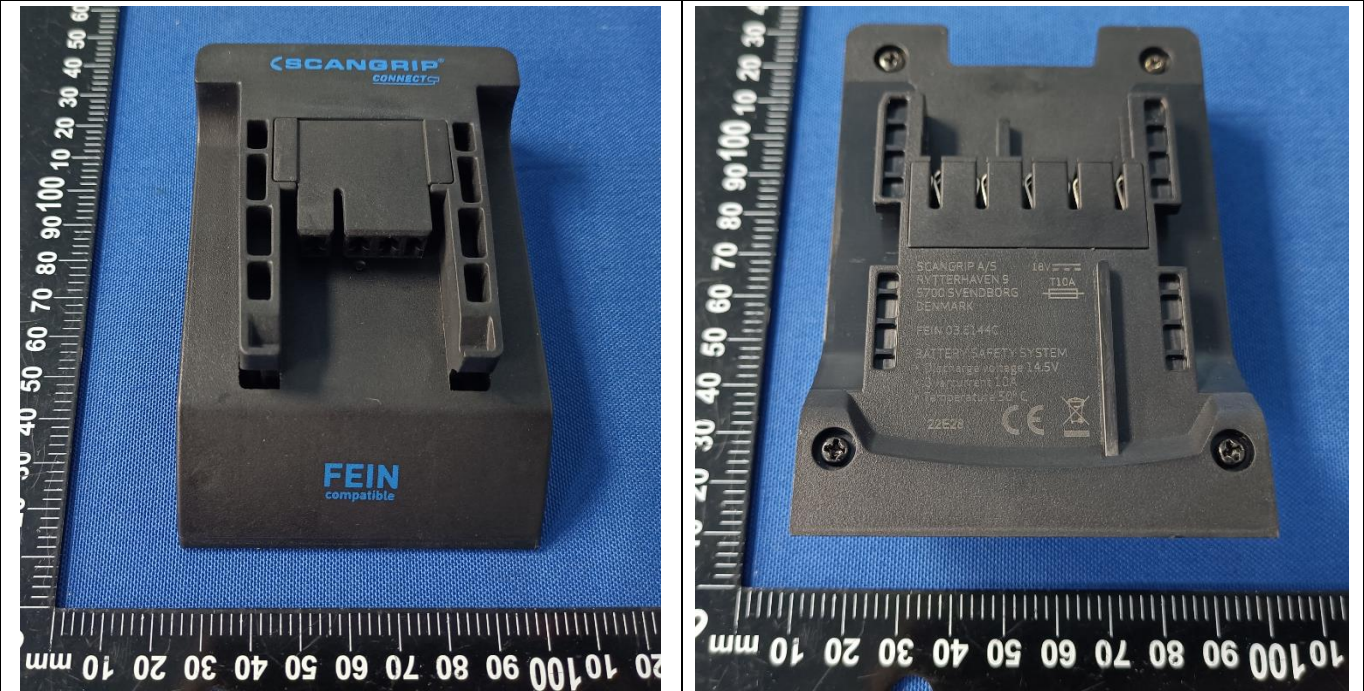


03.6143C CONNECT EINHELL

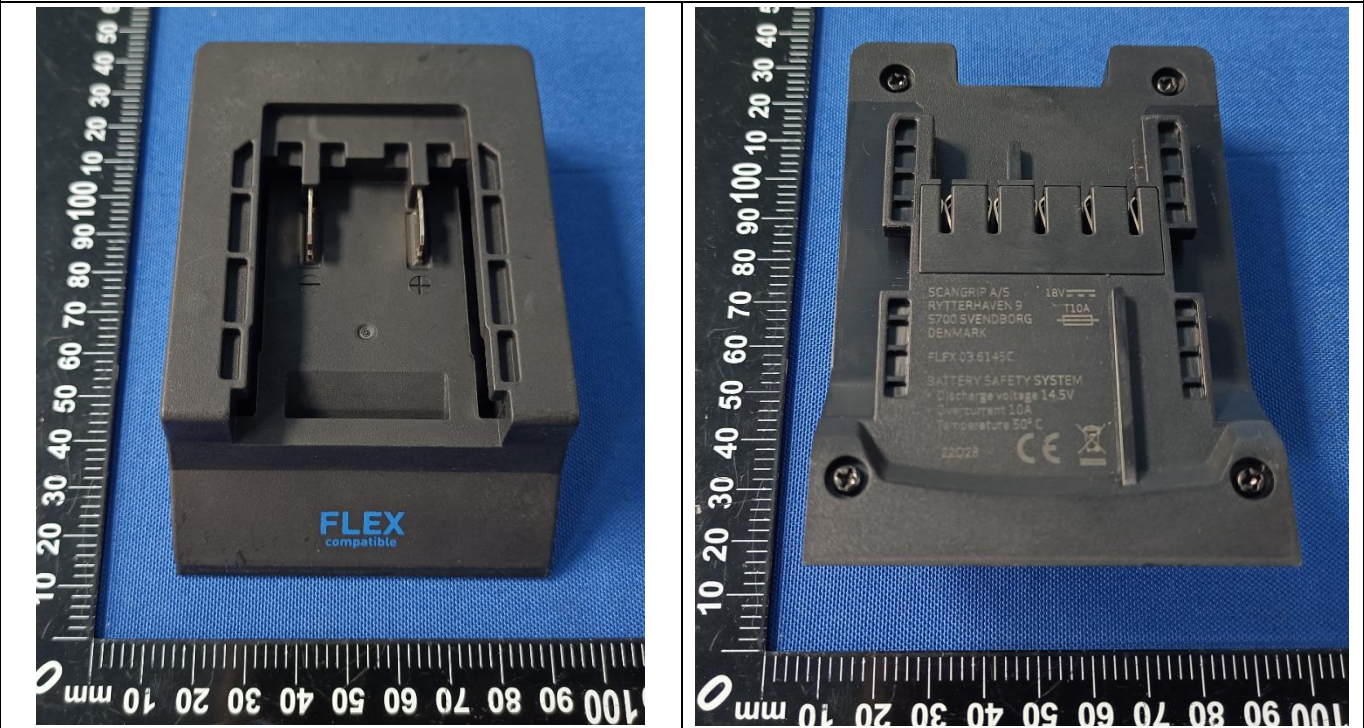


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03.6144C CONNECT FEIN

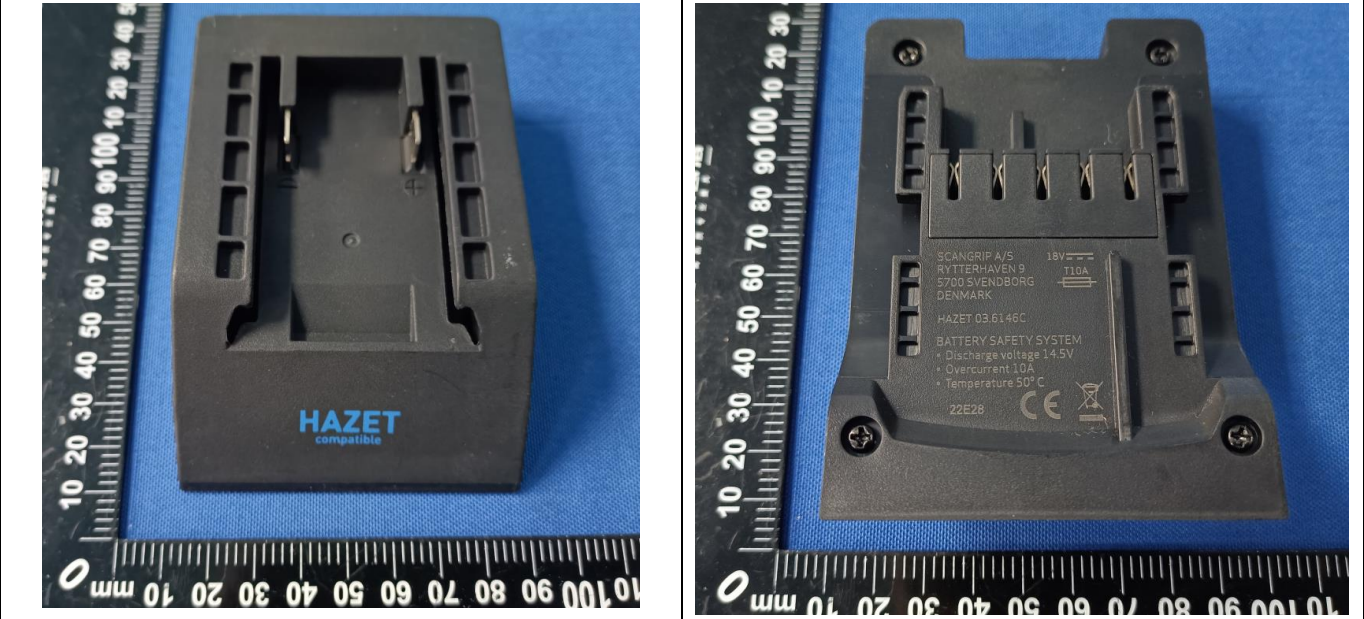


03.6145C CONNECT FLEX

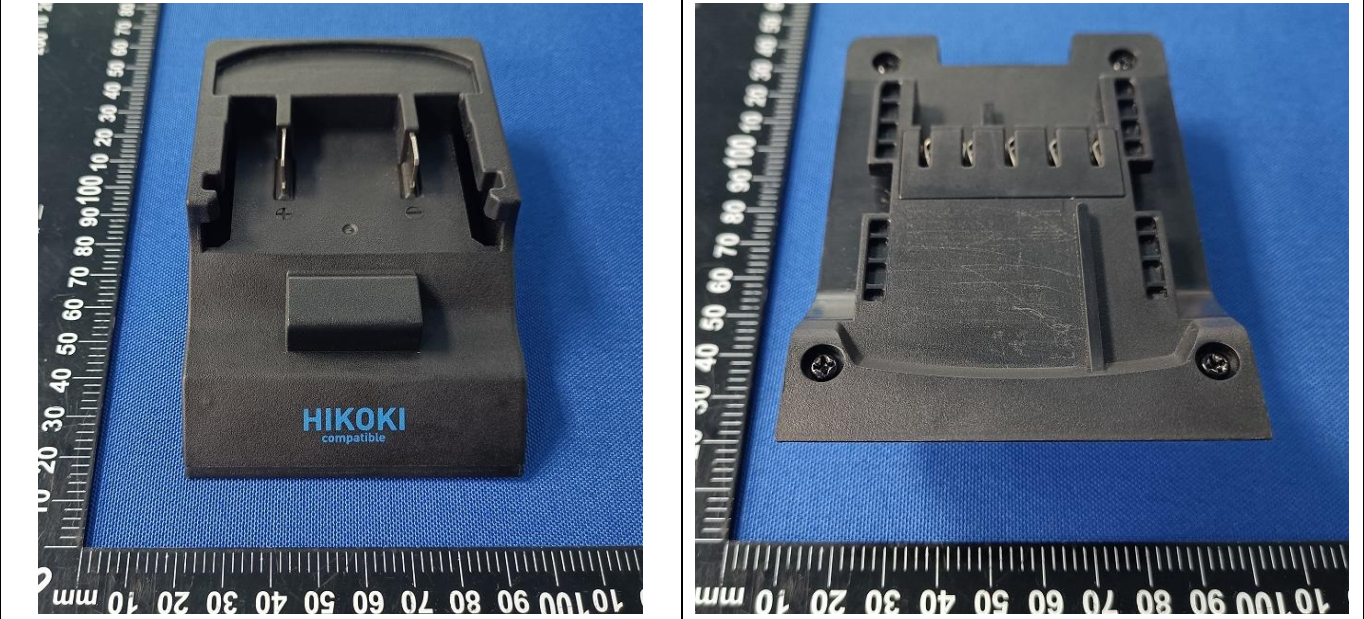


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03.6146C CONNECT HAZET

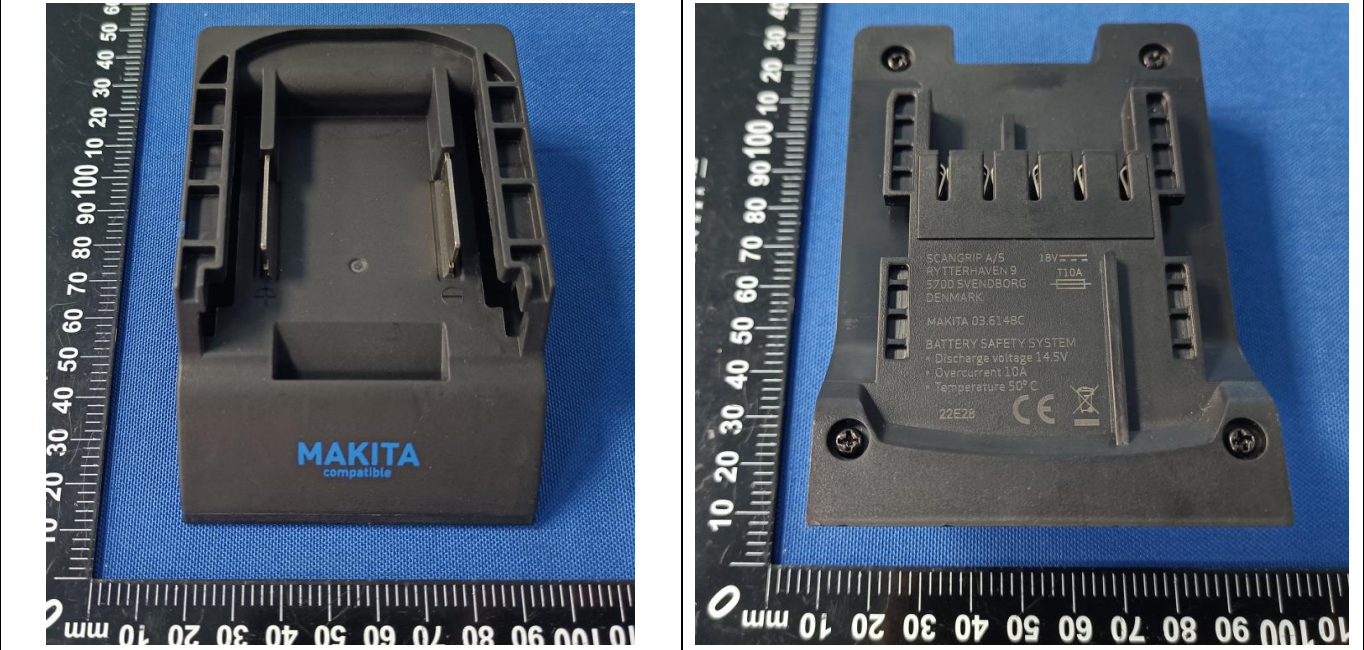


03.6147C CONNECT HIKOKI

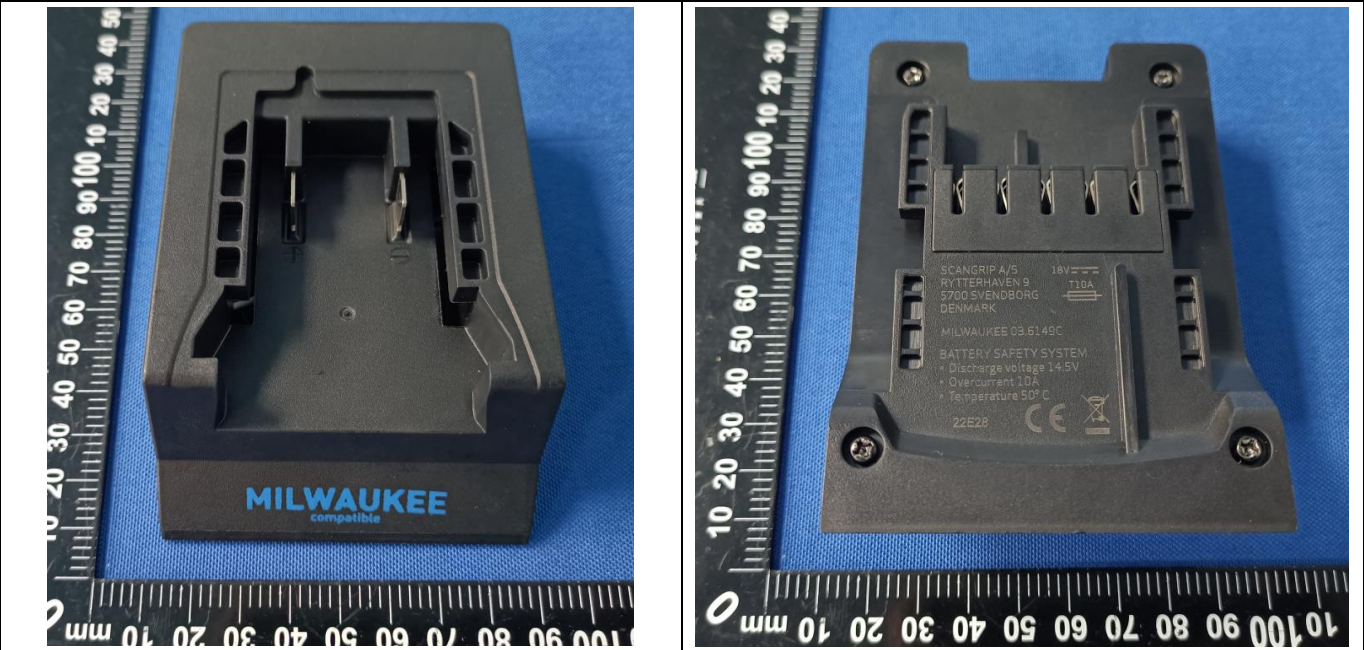


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03.6148C CONNECT MAKITA

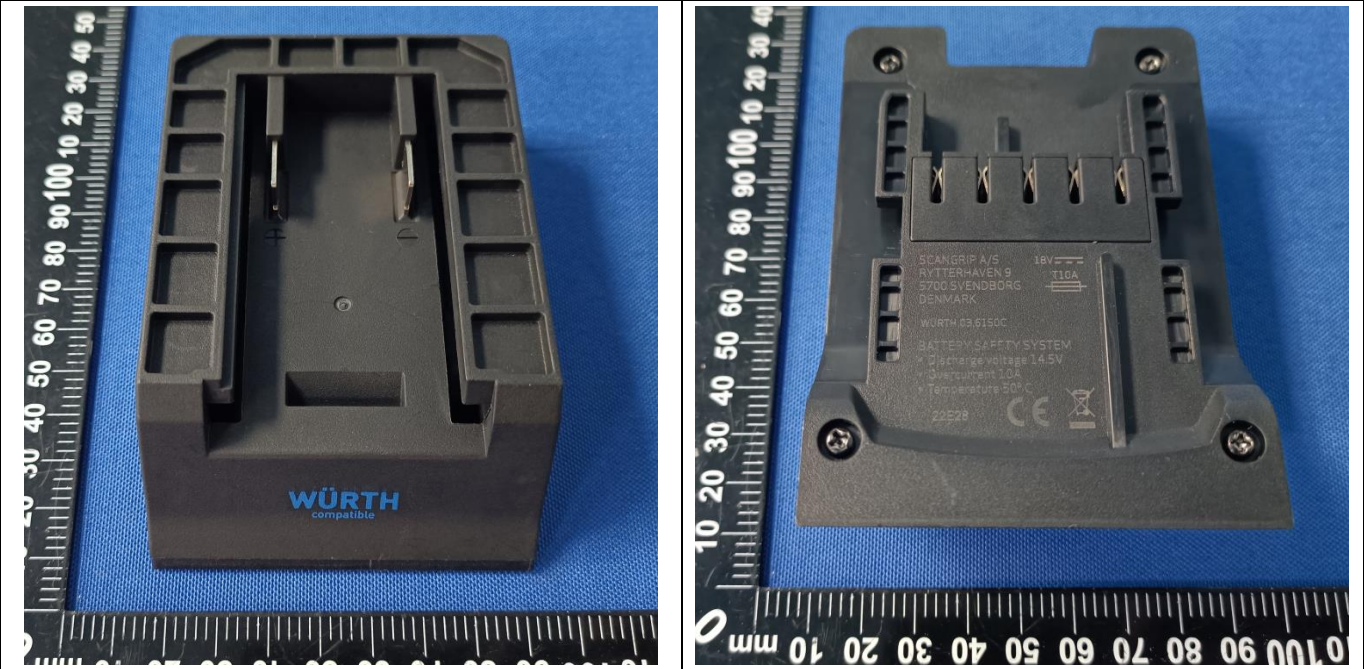


03.6149C CONNECT MILWAUKEE

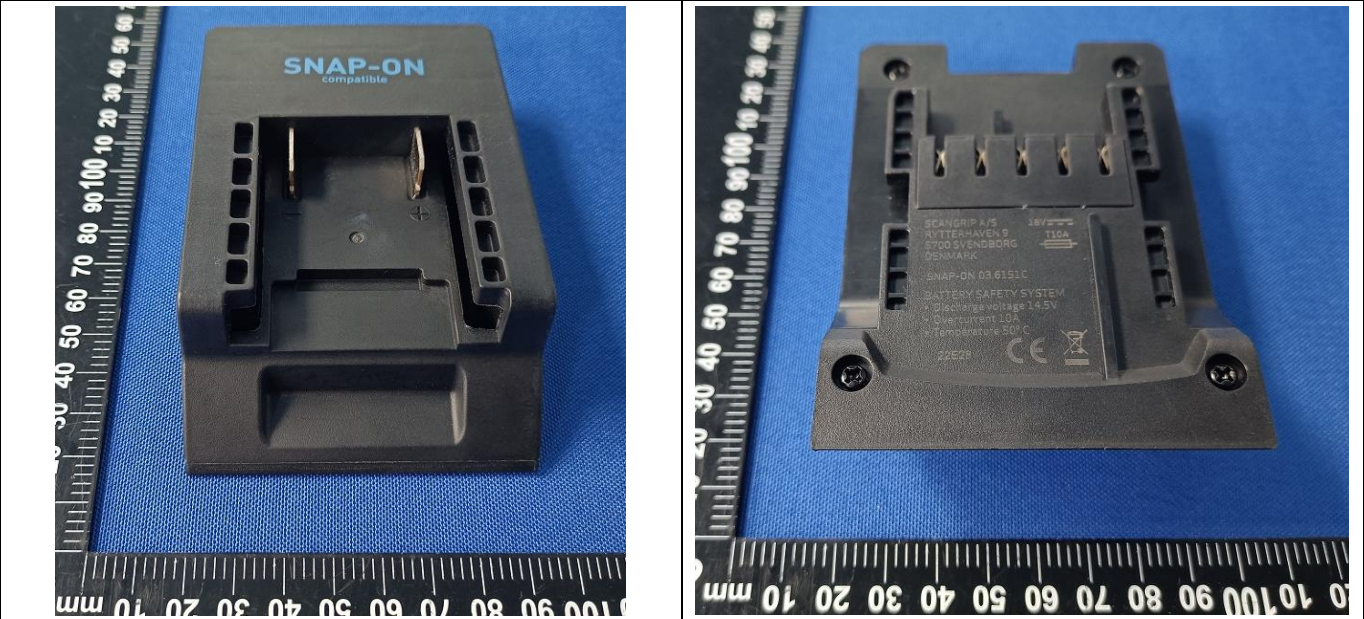


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03.6150C CONNECT WÜRTH



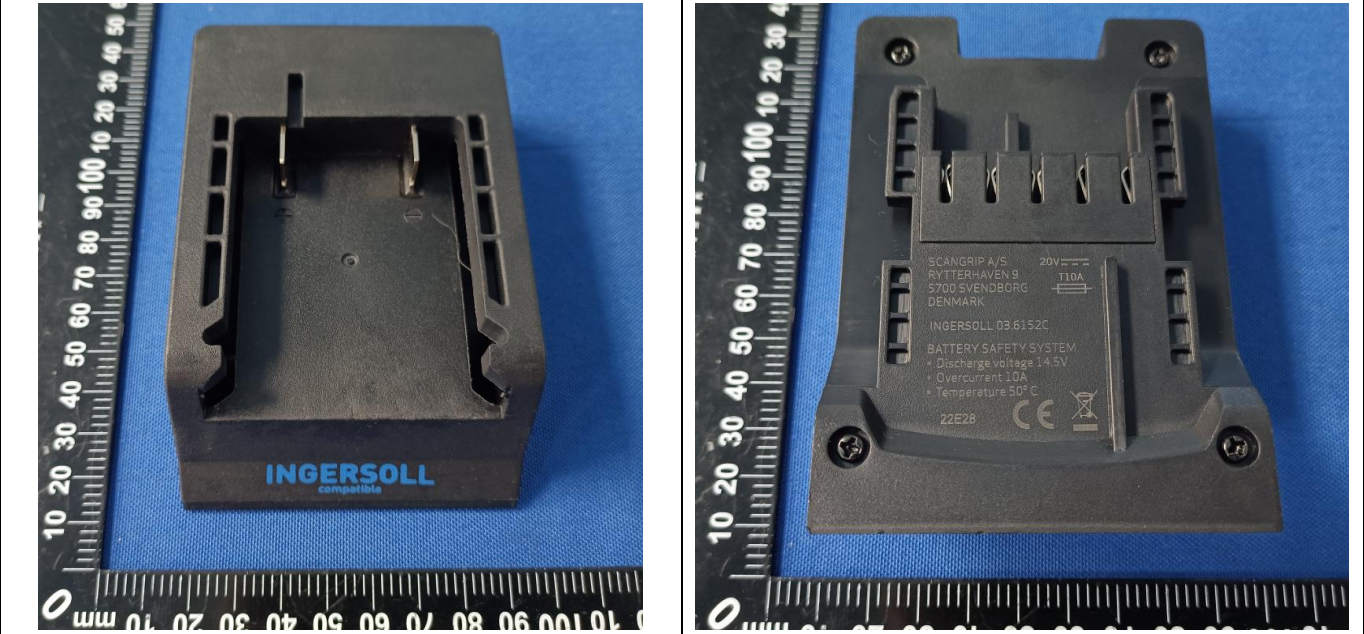
03.6151C CONNECT SNAP-ON



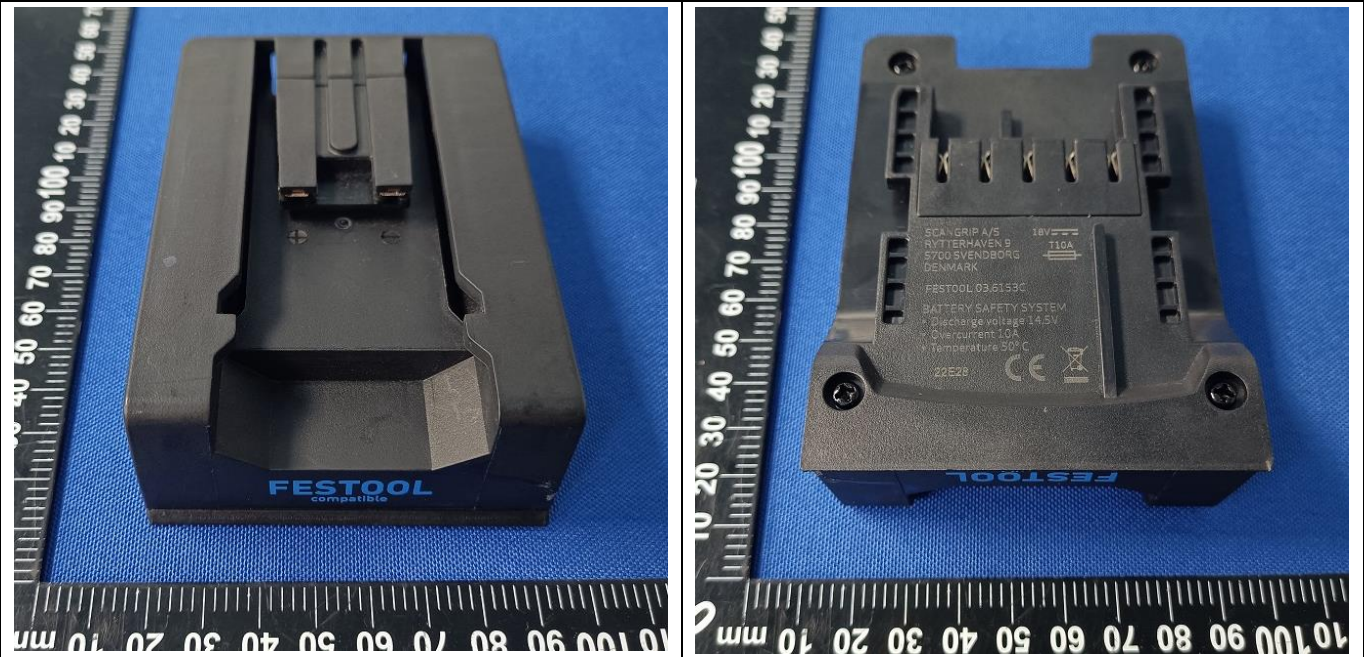


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03.6152C CONNECT INGERSOLL

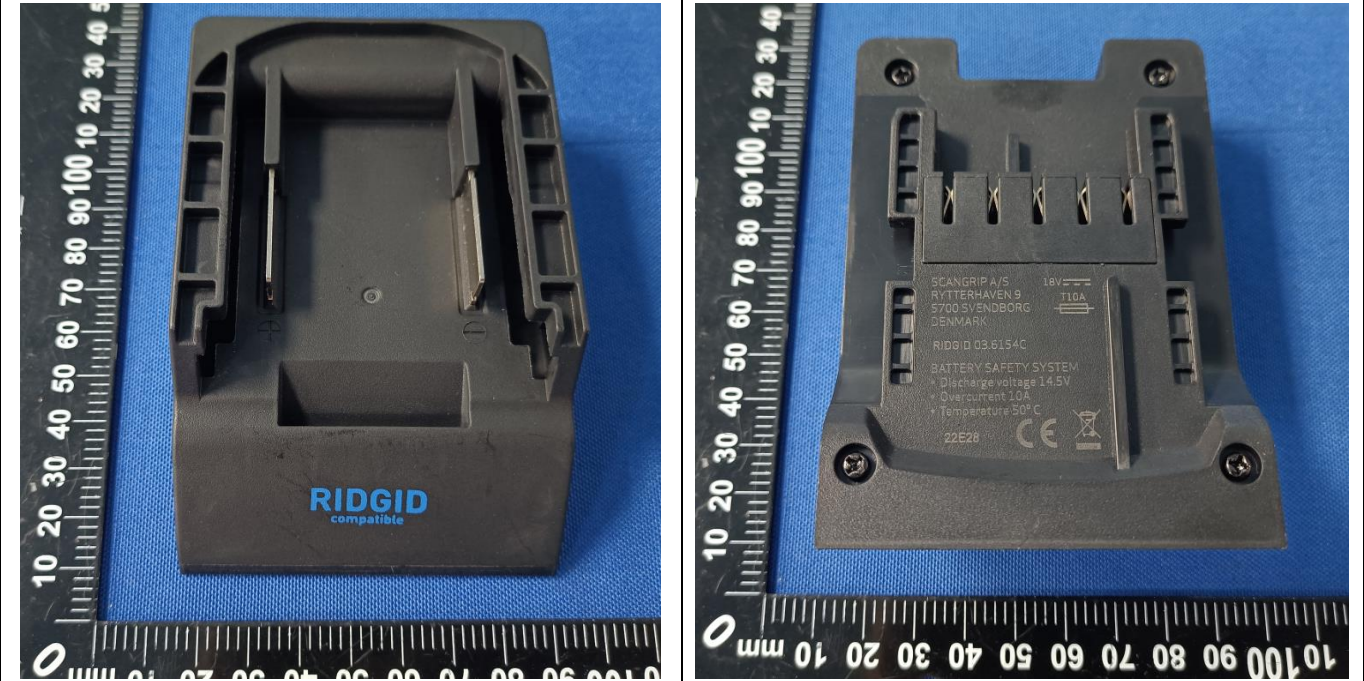


03.6153C CONNECT FESTOOL

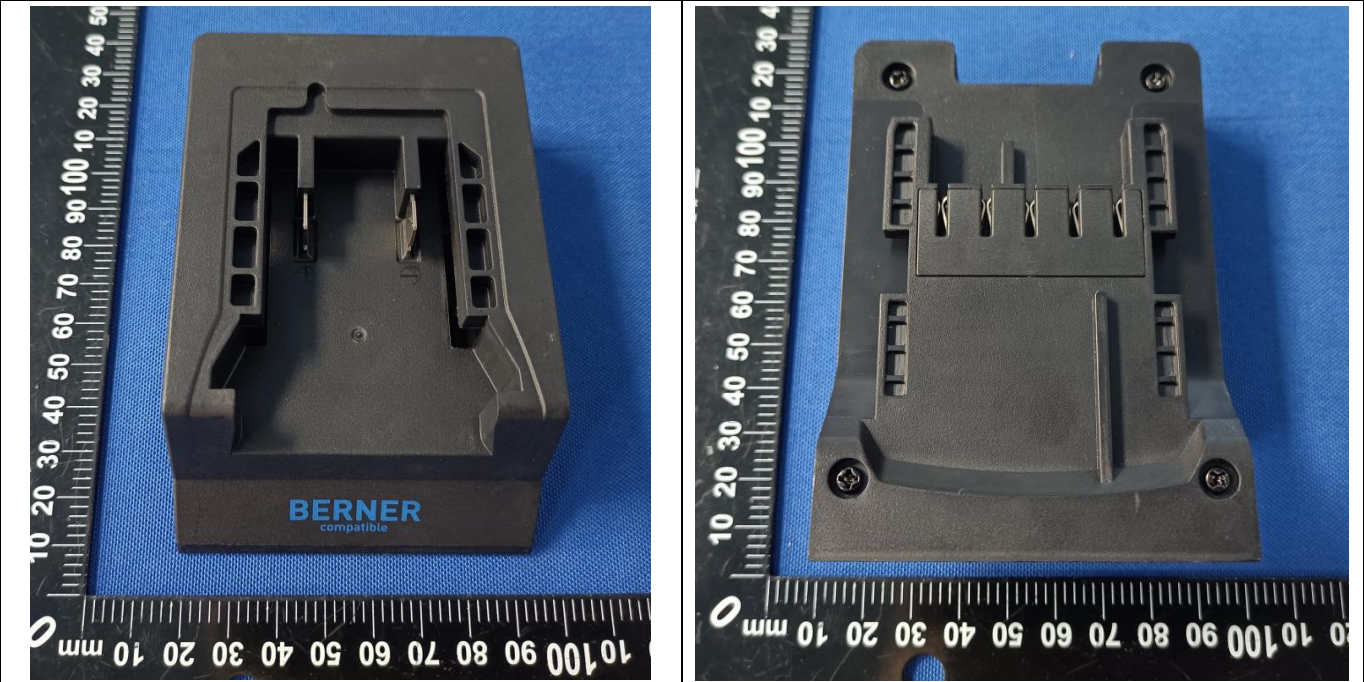


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03.6154C CONNECT RIDGID



03.6155C CONNECT BERNER

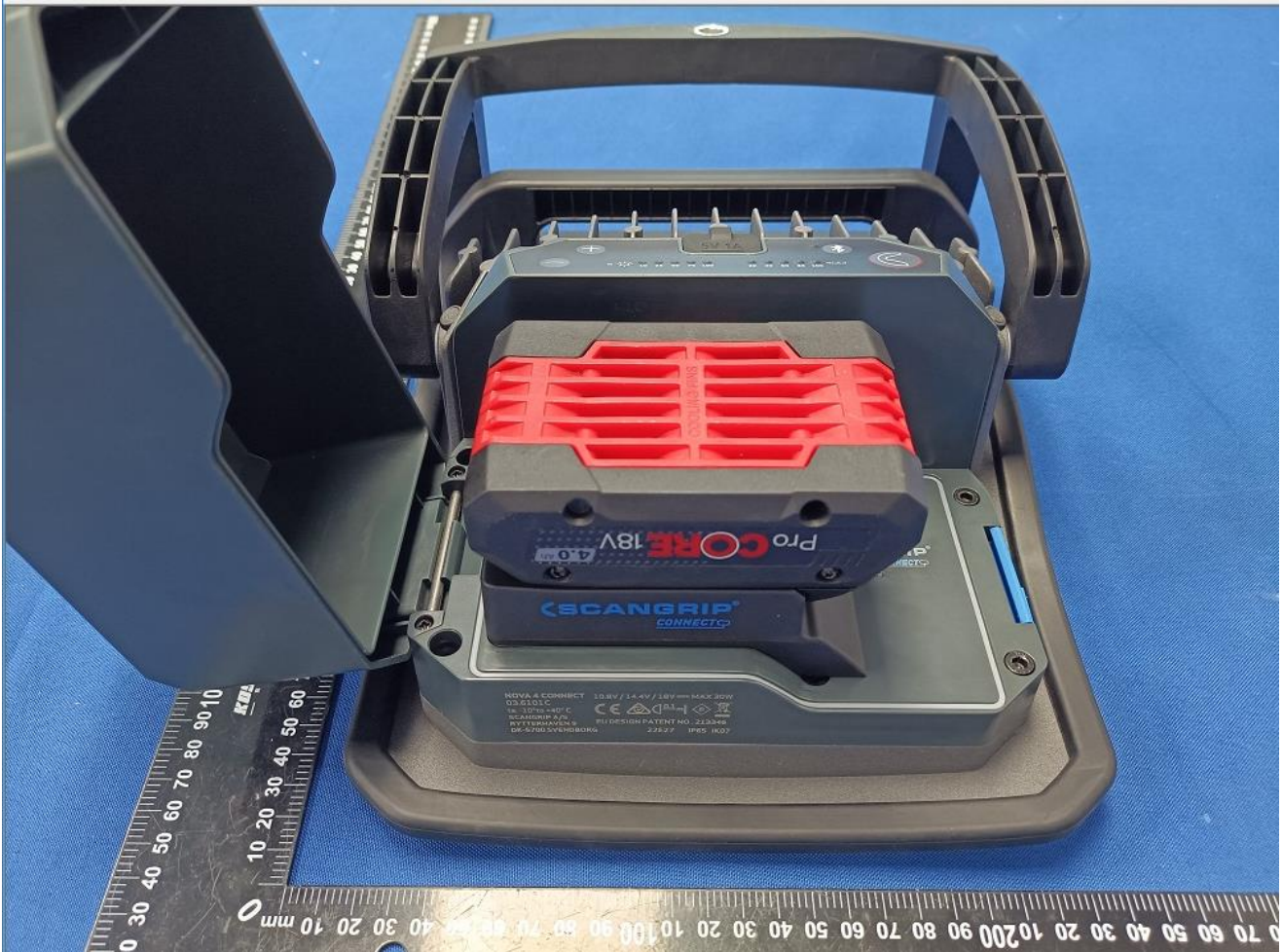


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03.6156C CONNECT PANASONIC



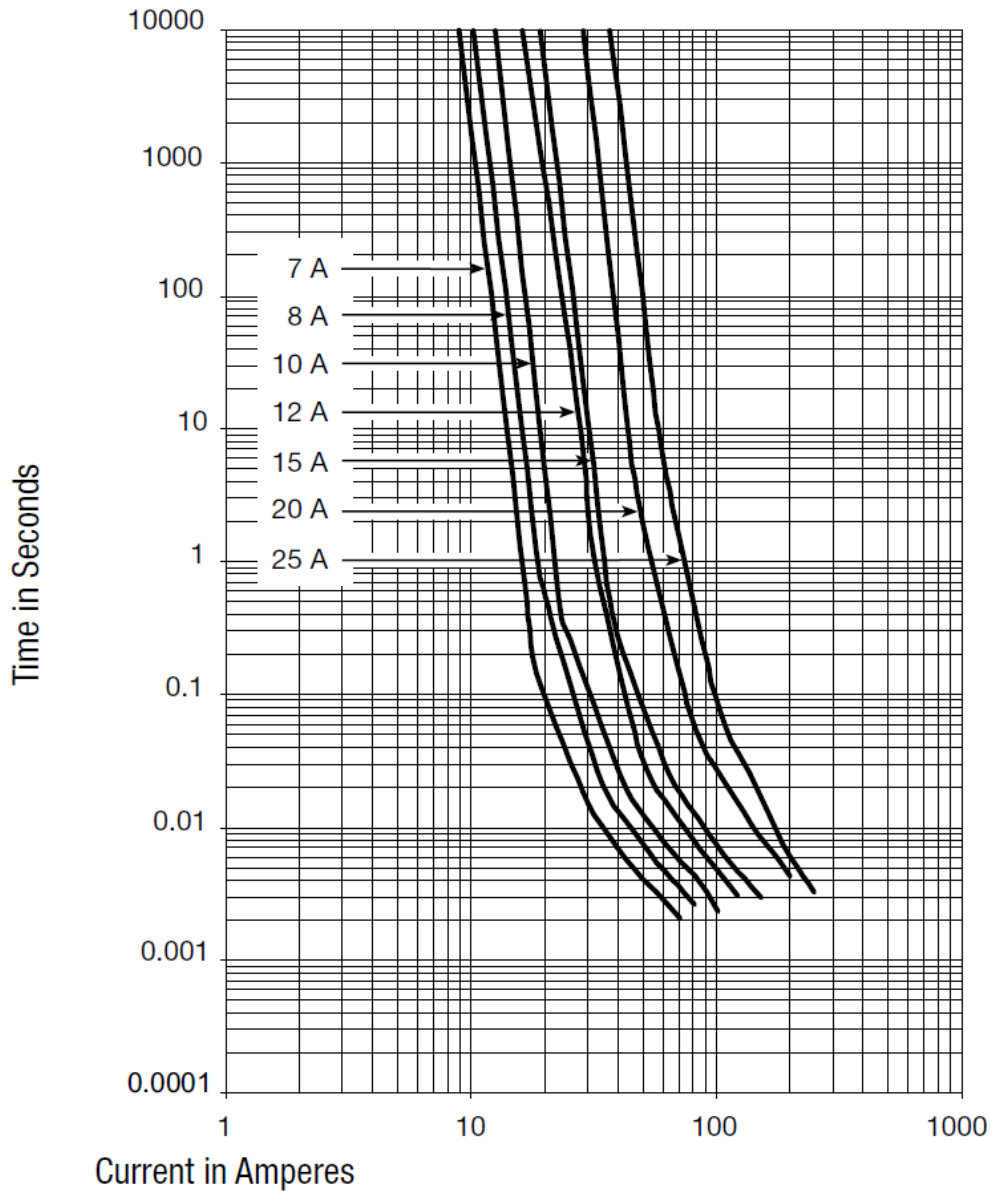
Example of 03.6140C CONNECT BOSCH with Scangrip NOVA 4 CONNECT and BOSCH PRO CORE Li-ion battery 18V 4Ah



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Test Item	Requirement	Result
<b>BATTERY SAFETY SYSTEM</b>		
Deep discharge voltage protection 14.5V	<ol style="list-style-type: none"> <li>1. Use a DC source to supply 18V to the connector and work light to make it work.</li> <li>2. Slowly reduce the DC source output voltage until 14.5V.</li> <li>3. Recording the voltage when connectors and work lights stop working.</li> </ol>	Pass Work light stop working when voltage drop to 14.57V.
Temperature protection 50°C	<ol style="list-style-type: none"> <li>1. Put the connector and work light into the Temperature &amp; Humidity Chamber, and use a DC source to supply 18V to the connector and work light to make it work.</li> <li>2. The Temperature &amp; Humidity Chamber is set to 50°C.</li> <li>3. Recording the temperature of the connector when connectors and work lights stop working.</li> </ol> <p>Remark: 50°C active temperature protector was used. Spec of active temperature: 50±5°C.</p>	Pass Work light stop working when connector reaches to 49.5°C.
Overcurrent protection	<p>Connector subjected to a 13A constant loading. Observe if the fuse inside the connector is broken.</p> <p>Remark: 10A fuse was used, see time current curves in appendix.</p>	Pass Fuse is broken after 2min9s.

APPENDIX to Test Report No.:	CN22FSJT 002	Page 13 of 13
<b>ADDITIONAL DOCUMENTATION</b>		

### Time-Current-Curves



\*\*\*\*\* End of test report \*\*\*\*\*