

COVER PAGE FOR TEST REPORT

Product Category:	Information Technology Equipment Including Electrical Business Equipment
Product Category CCN:	NWGQ, NWGQ7
Test Procedure:	Listing
Product:	Modular Ethernet Switch
Model/Type Reference:	Modular Ethernet Switch Power Module M4-S-AC/DC 300W, Power Module M4-S-48VDC 300W, Power Module M4-S-24VDC 300W, Power Module M4-P-AC/DC 300W, Power Module M4-P-48VDC 300W, Power Module M4-P-24VDC 300W, Media Module M4-8TP-RJ45, Media Module M4-FAST 8-SFP, Power Rack M4-Power Can be provided with: Power Module M4-P-AC/DC 300W and/or Power Module M4-P-48VDC 300W and/or Power Module M4-P-24VDC 300W. Switch Rack MACH4002 48+4G-XXX Switch Rack MACH4002-24G-xxx Switch Rack MACH4002-24G+3X-xxx Switch Rack MACH4002-48G-xxx Switch Rack MACH4002-48G+3X-xxx Mandatory sub components for Switch Rack Types MACH4002: One of the following Switch Boards MACH4002 48+4G or MACH4002 48G + 3X Or MACH4002 48G or MACH4002 24G + 3X Or MACH4002 24G, Fan Unit M4-AIR (with max. surrounding temperature of 60°C) Or M4-AIR-L (with max. surrounding temperature of 40°C) Optional sub components for Switch Rack Types MACH4002: Power Module M4-S-AC/DC 300W Power Module M4-S-48VDC 300W Power Module M4-S-24VDC 300W Media Module M4-8TP-RJ45, Media Module M4-FAST 8-SFP. Media Module M4-GIGA 8-SFP Media Module M4-FAST 8TP-RJ45-PoE, (Supplied with any kind of (NWGQ2 or DUXR2) fiberoptic module SFP or XFP). The XXX in the model designation of Switch Rack MACH4002 can be numbers from 0 until 9 or characters from A until Z and indicate non-safety differences like e.g. software.
Rating(s):	Power Rack or Switch Rack provided with

<p>Standards:</p> <p>Applicant Name and Address:</p>	<p>Power Modul M4-P(S)-AC/DC 300W: 110- 230V, 50Hz/60Hz, 1.8- 4.2A Power Rack or Switch Rack provided with Power Modul M4-P(S)-48VDC 300W: 24V, 16.0A Power Rack or Switch Rack provided with Power Modul M4-P(S)-24VDC 300W: 48V, 8.0A</p> <p>UL 60950-1, 1st Edition, 2007-10-31 (Information Technology Equipment - Safety - Part 1: General Requirements) CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07 (Information Technology Equipment - Safety - Part 1: General Requirements)</p> <p>HIRSCHMANN AUTOMATION & CONTROL GMBH STUTTGARTER STR 45-51 72654 NECKARTENZLINGEN GERMANY</p>
<p>This Report includes the following parts, in addition to this cover page:</p> <ol style="list-style-type: none">1. Specific Technical Criteria2. Clause Verdicts3. Critical Components4. Test Results5. National Differences6. Enclosures	

Issue Date: 2007-04-05
Amendment 2 2008-11-07

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Report Reference #

E168643-A1-UL-1

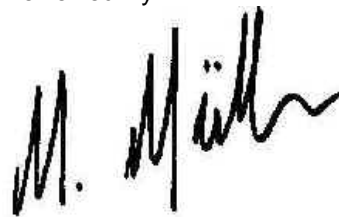
This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of Underwriters Laboratories Inc. ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

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