CERTIFICATE OF COMPLIANCE

Certificate Number	20131230-E175531
Report Reference	E175531-20121215
Issue Date	2013-DECEMBER-30

Issued to: HIRSCHMANN AUTOMATION AND CONTROL GMBH
STUTTGARTER STR 45-51
72654 NECKARTENZLINGEN GERMANY

This is to certify that representative samples of

PROGRAMMABLE CONTROLLERS
Listed Open Type, Programmable Controller, Cat. Nos.
RSP20- , RSP25-, RSP30- and RSP35-,followed by a
combination of up to 27 digits, letters, dashes and dots, and
EAGLE20-, EAGLE30-, followed by a combination of up to
37 digits, letters, dashes and dots.

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 508, Industrial Control Equipment.
CSA C22.2 No. 142-M1987, Process Control Equipment.

Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Listing Mark for the US and Canada should be considered as
being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US
and Canada.
The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and

"US" identifiers: ^c(UL)^{us} the word "LISTED"; a control number (may be alphanumeric) assigned by UL;
and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

File E175531
Project 12CA46429

December 15, 2012

REPORT

on

PROGRAMMABLE CONTROLLERS

Hirschmann Automation and Control GmbH
Neckartenzlingen, Germany

DESCRIPTION

PRODUCT COVERED:

     USL, CNL - Listed Open Type, Programmable Controller, Cat. Nos. RSP20- ,
RSP25-, RSP30- and RSP35-,followed by a combination of up to 27 digits,
letters, dashes and dots, and EAGLE20-, EAGLE30-, followed by a combination of
up to 37 digits, letters, dashes and dots.

GENERAL:

     This device is an industrial Gigabit Ethernet Switch for DIN rail
installation and for use in industrial automation applications. It is
microcomputer-based and communicates via interfaces through wire or optical
ports.

ELECTRICAL RATINGS:

All Cat. Nos. RSP20, RSP25, RSP30, RSP35, EAGLE20 and EAGLE30, can be rated as
follow:

Power Supply Type KK		Power Supply Type CC		Power Supply Type K9		Power Supply Type TT (RSP only)	
Supply voltage	Input current	Supply voltage	Input current	Supply voltage	Input current	Supply voltage	Input Current
110-230Vac 50-60Hz, alternatively	0.2-0.15 A (ac) 0.3-0.15 A (dc)	24-48 Vdc Class 2	0.7-0.4 A	110-230Vac 50-60Hz, alternatively	0.2-0.1 A (ac) 0.3-0.1 A (dc)	12-24 V (dc) Class 2	2.0-0.8 A
60-250 Vdc	0.2-0.1 A (ac) 0.4-0.1 A (dc)		0.8-0.4 A	60-250 Vdc	0.2-0.1 A (ac) 0.4-0.1 A (dc)		
			0.8-0.4 A				
			1.0-0.5 A				

Signal contact Output: 1 A, 30Vdc or 1A, 30Vac

Max. surrounding air temperature: 60°C for parameter "S"
                                    70°C for parameter "T" or "E"
Refer to "Temperature range" of nomenclature breakdown.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE'S USE):

    CNL - Indicates investigation to Canadian National Standard(s)
          C22.2 No. 142-M1987.

    USL - Indicates investigation to United States Standard UL 508,
          (Industrial Control Equipment).

    Note: CNL = Canadian National Standards - Listed.
          USL = United States Standards - Listed.

CONSTRUCTION DETAILS:

    General - The details of construction are covered in the following
photographs and accompanying descriptive pages and illustrations.

    Corrosion Protection - All metal parts are made of aluminum and are
painted or plated as corrosion protection.

    Any kind of Printed Wiring Board (ZPMV2/8) – suitable for direct support
of live parts, rated min. V-0, 105°C can be used.

    Installation Instructions - Shall be provided and include a wiring
diagram.

    Marking - Markings may be provided in French or English for Canadian
markets. Ink-stamped label permanently secured to the device, including
Listee's name or File Number, device catalog number, the electrical ratings
and max. surrounding temperature. In addition diagrams and instructions for
installation shall be provided. Markings in the instruction manual:

    For Models with Type CC **or TT** Power Supply must be marked, "For Use In
Class 2 Circuits," "Class 2" or an equivalent statement. This may be provided
in the installation instructions.

NOMENCLATURE BREAKDOWN (RSP Series):

RSP30-	11	03	3Z6	TT	E	CC	XX	HS	H	2R	01.0.	00
I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII

I: MODEL:
    RSP20- Rail Switch Power, up to 100 Mbps, Standard
    RSP25- Rail Switch Power, up to 100 Mbps, Enhanced Redundancy and PTP
    RSP30- Rail Switch Power, up to 1000 Mbps, Standard
    RSP35- Rail Switch Power, up to 1000 Mbps, Enhanced Redundancy and PTP

II: No. of Ports Fast Ethernet:
    08 – 8x10/100 Mbps Ethernet Ports
    11 – 11x10/100 Mbps Ethernet Ports

III: No of Ports Gigabit Ethernet:
    00 – 0x10/100/1000 Mbps Ethernet Ports
    03 – 3x10/100/1000 Mbps Ethernet Ports

IV: Uplink Port Configuration:
    3Z6 – all SFP Slot (100Mbps)
    3O6 – all SFP Slot (1000Mbps)

V: Port Configuration:
    TT- – all Twisted Pair /RJ45
    ZT- – 4x SFP slot (100Mbps); remains Twisted Pair / RJ45

VI: Temperature range:
    S – Standard 0°C up to 60°C
    T – Extended –40°C up to 70°C
    E - Extended –40°C up to 70°C inclusive conformal coating.

VII: Voltage range:
    CC – (24 - 48) VDC, with redundant power supply connectivity
    K9 – (60 – 250) VDC – alternatively (110 – 230 VAC);
        ("9": redundant Power supply connectivity not available)
    KK – (60 – 250) VDC alternatively (110-230 VAC),
        (**"K":** redundant Power supply connectivity)
    TT – (12-24) VDC, Class 2 supplied - with redundant power supply
    connectivity.

VIII: Approvals: (for information only)
    Z9 – CE; FCC; EN61131; (EN60950 on request only)
    Y9 – "Z9" + cUL508;
    V9 – "Z9" + IEC 61850; IEEE1613
    VY – "V9" + cUL508;
    XX – customer specific (X: any number or letter)

IX: Redundancy Configuration:
        HS – Hirschmann Standard
        HM – Hirschmann Fast MRP
        HP – Hirschmann PRP

X: Software Configuration:
        H - Standard
        E – Enhanced Encryption

XI: Software Level
        2R – Layer 2 Rail Switch Power Software
XII: Software version:
        01.0. – Software version 01.0.
        xx.x. – Software version … (x : any number)

XIII: Bugfix
        00 - Bugfix version 00
        xx - Bugfix version … - (x: any number)

NOMENCLATURE BREAKDOWN (Eagle Series):

EAGLE20	04	00	2O6	TT	9	99	S	CC	xxx
I	II	III	IV	V	VI	VII	VIII	IX	X

I: Product:
        EAGLE20 - Router without gigabit ports
        EAGLE30 - Router with gigabit ports

II: Number of 10/100 Mbit/s ports:
        04 – 4x 10/100-Mbit/s ports

III: Number of 100/1000 Mbit/s ports:
        00 – 0x 100/1000-Mbit/s ports
        02 – 2x 100/1000-Mbit/s ports

IV: Uplink Port Configuration:
        206 – 2x SFP slot for 100/1000Mbit/s F/O connections
        999 – Not present

V: Port Configuration:
        TT- – all Twisted Pair /RJ45

VI: Cellular phone interface:
        9 – Not present

VII: WAN port:
        99 – Not present
        H2 – 2x SHDSL

VIII: Temperature range:
        S – Standard 0°C up to 60°C
        T – Extended –40°C up to 70°C
        E - Extended –40°C up to 70°C inclusive conformal coating.

IX: Voltage range:
        CC – (24 – 48) VDC, with redundant power supply connectivity
        K9 – (60 – 250) VDC – alternatively (110 – 230 VAC);
            ("9": redundant Power supply connectivity not available)
        **KK – (60 – 250) VDC alternatively (110-230 VAC),
            (Redundant Power supply connectivity)**

X: XXX- A combination of up to 14 suffixes, which represent the Approvals
and Software (for information only)

The following pages have been removed