

CERTIFICATE OF COMPLIANCE

Certificate Number E187183
Report Reference E187183-19991209
Issue Date 2021-MARCH-31

Issued to: DAIRYLAND ELECTRICAL INDUSTRIES INC
340 Business Park Cir, Po Box 187
Stoughton WI 53589-0187

**This certificate confirms that
representative samples of**

SURGE PROTECTORS AND ISOLATORS FOR USE ON
CATHODICALLY PROTECTED SYSTEMS FOR USE IN
HAZARDOUS LOCATIONS

See Addendum Page.

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

Standard(s) for Safety:

UL 1203, Explosion-proof and Dust-Ignition-proof electrical
equipment for use in Hazardous (Classified) Locations
CAN/CSA C22.2 No. 30-M1986, Explosion-proof
Enclosures for Use in Hazardous Locations


Additional Information:

See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Polarization Cell Replacement Units and Over Voltage Protectors for use in Class I, Division 1, Groups B, C and D Hazardous Locations. All model devices may have a surge current rating of 100 kA maximum,

See Section General for additional requirements.

POLARIZATION CELL REPLACEMENT UNITS (PCRH)(+),

Models PCRH followed by -3.7kA, -5kA, -10kA, -15kA, may be followed by -S, followed by BCD, CD(+), or IECEX.

Models PCRH followed by -3.5kA, -9kA, -14kA, may be followed by -S, followed by BCD, CD(+), or IECEX.

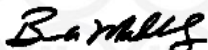
Models PCRH followed by -2.6kA, -6.8kA or 10.5kA, may be followed by -S, followed by BCD, CD(+), or IECEX.

(+) Polarization Cell Replacement Units may be called galvanic isolators and identified by model suffix "GI" in lieu of "PCRH".

(++) Models with suffix CD are intended and marked for Class I, Groups C and D only.

OVERVOLTAGE PROTECTORS (OVP),

Models OVP followed by 2/1, 2/2, 3/1, 4/1, 4/2, 3/3 or 4/4 followed by 5kA, 3.7kA, 3.5kA, 2.6kA, followed by 50kA, 75kA or 100kA, may be followed by number consists of four digits maximum.



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PRODUCT RATINGS:

60 Hz and 50 Hz Current (Short Duration)

Maximum Short Duration 60 Hz AC-RMS Current				
PCRH & OVP – 3.7kA (All Suffixes – With Small Enclosure)	PCRH & OVP – 5kA (All Suffixes – With Small Enclosure)	PCRH – 10kA (All Suffixes – With Small Enclosure)	PCRH – 15kA (All Suffixes – With Large Enclosure)	No. of Cycles
6,500	8,800	20,000	35,000	1
5,000	6,800	15,000	27,000	3
4,200	5,700	12,000	21,000	10
3,700	5,000	10,000	15,000	30

60 Hz and 50 Hz Current (Short Duration)

Maximum Short Duration 50 Hz AC-RMS Current				
PCRH & OVP – 3.7kA (All Suffixes – With Small Enclosure)	PCRH & OVP – 5kA (All Suffixes – With Small Enclosure)	PCRH – 9kA (All Suffixes – With Small Enclosure)	PCRH – 14kA (All Suffixes – With Large Enclosure)	No. of Cycles
6,500	8,800	19,000	33,000	1
5,000	6,800	14,000	25,000	3
4,200	5,700	11,000	20,000	10
3,700	5,000	9,000	14,000	30



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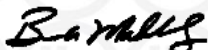
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16-2/3 Hz Current (Short Duration)

Maximum Short Duration 50 Hz AC-RMS Current			No. of Cycles
PCRH & OVP – 2.6kA (All Suffixes – With Small Enclosure)	PCRH – 6.8kA (All Suffixes – With Small Enclosure)	PCRH – 10.5kA (All Suffixes – With Large Enclosure)	
4,600	14,000	25,000	1
3,500	10,000	19,000	3
3,000	8,500	15,000	10
2,600	6,800	10,500	30

50 and 60 Hz Current (Steady-State)

	Amps AC-RMS Symmetrical
	50/60 Hz
	PCRH-2.6kA through PCR-15kA
At 20°C ambient	50
At 65°C ambient	40



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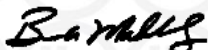
16-2/3 Hz Current (Steady-State)

	Amps AC-RMS Symmetrical
	PCRH-2.6kA, -6.8kA, -10.5kA
At 20°C ambient	24
At 65°C ambient	20

Impulse Current

Cat. No.	Lead Length	Impulse Current			
		Wave Form/Crest Current			
		8 x 20 us 50kA	4 x 10 us 50kA	4 x 10 us 75kA	8 x 20 us 100kA
PCRH (all suffixes)	12	4.0kV	4.5kV	5.75kV	NA
PCRH (all suffixes)	36	6.0kV	9.0kV	10.3kV	NA
OVP (all suffixes)	0	0.1kV	0.5kV	NA	NA
OVP (all suffixes)	6	1.25kV	NA	NA	NA
OVP (all suffixes)	12	1.5kV	4.25kV	5.25kV	NA

*Note: "NA" means the models have achieved the associated Impulse Current Rating, but voltage clamping capabilities are not defined.



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