FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT
PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

UltraSwitch™ PS/PM Switch Box a-b-c-d-e-f-g-27-i-j-k-l
IS/ I, II, III / 1 / ABCDEFG / T*; -40°C ≤ Ta ≤ 80°C; IP66; Type 4X; Entity – RA-2
*See Control Drawing

a = Brand sticker; Single letter or number (not relevant to safety)
b = Shaft; Single letter or number (not relevant to safety)
c = Connections; PS (1/2" NPT), PM (M20), PN (3/4" NPT) or PG (M25)
d = Number of open cable entries; 1, 2, or 3
e = Indicator option; Single letter or number (not relevant to safety)
f = Number of switches; 0, 1, 2 , 3, or 4
g = Switch options; MG, P4, P5, PE, PT, N8, NP, NQ, NR, NS or NT
i = Analog output; 0
j = Wiring options; 0, 1, 2, 3, 4, or H
k = Minimum extra terminals; 0 thru 16
l = Special options; 0 or V

UltraSwitch™ PS/PM Switch Box a-b-P-d-e-f-2-h
IS/ I, II, III / 1 / ABCDEFG / T*; -40°C ≤ Ta ≤ 80°C; IP66; Type 4X; Entity – RA-2
*See Control Drawing

a = Brand sticker; Single letter or number (not relevant to safety)
b = Connections; C (1/2" NPT) or N (3/4" NPT)
d = Indicator option; Single letter or number (not relevant to safety)
e = Language
f = Switch type; B or S
h = Mounting selection; Single or triple letter or number (not relevant to safety)

UltraSwitch™ PS/PM Switch Box a-b-c-d-e-f-g-28-i-j-k-l
NI/I/2/ABCD/T*; -40°C ≤ Ta ≤ 60°C; IP66; Type 4X; NIFW; RA-2
DIP/II/2/EFG/T6 -40°C ≤ Ta ≤ 60°C; IP66; Type 4X
DIP/III/1, 2/T6 -40°C ≤ Ta ≤ 60°C; IP66; Type 4X
*See Control Drawing

a = Brand sticker; Single letter or number (not relevant to safety)
b = Shaft; Single letter or number (not relevant to safety)

To verify the availability of the Approved product, please refer to www.approvalguide.com

c = Connections; PS (1/2" NPT), PM (M20), PN (3/4" NPT) or PG (M25)
d = Number of open cable entries; 1, 2, or 3
e = Indicator option; Single letter or number (not relevant to safety)
f = Number of switches; 0, 1, 2 , 3, or 4
g = Switch options; P4, P5, PE, PP, PT or N8
i = Analog output; 0
j = Wiring options; 0, 1, 2, 3, 4, or H
k = Minimum extra terminals; 0 thru 16
l = Special options; 0 or V

UltraSwitch™ PS/PM Switch Box a-b-P-d-e-f-1-h
NI/I/2/ABCD/T*; -40°C ≤ Ta ≤ 60°C; IP66; Type 4X; NIFW; RA-2
DIP/II/2/EFG/T6 -40°C ≤ Ta ≤ 60°C; IP66; Type 4X
DIP/III/1, 2/T6 -40°C ≤ Ta ≤ 60°C; IP66; Type 4X
*See Control Drawing

a = Brand sticker; Single letter or number (not relevant to safety)
b = Connections; C (1/2" NPT) or N (3/4" NPT)
d = Indicator option; Single letter or number (not relevant to safety)
e = Language
f = Switch type; B, K or S
h = Mounting selection; Single or triple letter or number (not relevant to safety)

UltraSwitch™ PS/PM Switch Box a-b-c-d-e-f-g-28-i-j-k-l
NI/I/2/ABCD/T*; -40°C ≤ Ta ≤ 80°C; IP66; Type 4X; NIFW; RA-2
DIP/II/2/EFG/T6 -40°C ≤ Ta ≤ 80°C; IP66; Type 4X
DIP/III/1, 2/T6 -40°C ≤ Ta ≤ 80°C; IP66; Type 4X
*See Control Drawing

a = Brand sticker; Single letter or number (not relevant to safety)
b = Shaft; Single letter or number (not relevant to safety)
c = Connections; PS (1/2" NPT), PM (M20), PN (3/4" NPT) or PG (M25)
d = Number of open cable entries; 1, 2, or 3
e = Indicator option; Single letter or number (not relevant to safety)
f = Number of switches; 0, 1, 2 , 3, or 4
g = Switch options; PE, PP or PT
i = Analog output; 0
j = Wiring options; 0, 1, 2, 3, 4, or H
k = Minimum extra terminals; 0 thru 16
l = Special options; 0 or V

UltraSwitch™ PS/PM Switch Box a-b-P-d-e-f-1-h
NI/I/2/ABCD/T*; -40°C ≤ Ta ≤ 80°C; IP66; Type 4X; NIFW; RA-2
DIP/II/2/EFG/T6 -40°C ≤ Ta ≤ 80°C; IP66; Type 4X
DIP/III/1, 2/T6 -40°C ≤ Ta ≤ 80°C; IP66; Type 4X
*See Control Drawing

a = Brand sticker; Single letter or number (not relevant to safety)
b = Connections; C (1/2" NPT) or N (3/4" NPT)
d = Indicator option; Single letter or number (not relevant to safety)
e = Language
f = Switch type; B or K
h = Mounting selection; Single or triple letter or number (not relevant to safety)

UltraSwitch™ PS/PM Switch Box a-b-c-d-e-f-g-60-i-j-k-l
IS/ I, II, III / 1 / ABCDEFG / T*; -40°C ≤ Ta ≤ 80°C; IP66; Type 4X; Entity – RA-2

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NI/I/2/ABCD/T*; -40°C ≤ Ta ≤ 80°C; IP66; Type 4X; NIFW; RA-2
DIP/II/2/EFG/T6 -40°C ≤ Ta ≤ 80°C; IP66; Type 4X
DIP/III/1, 2/T6 -40°C ≤ Ta ≤ 80°C; IP66; Type 4X
*See Control Drawing

a = Brand sticker; Single letter or number (not relevant to safety)
b = Shaft; Single letter or number (not relevant to safety)
c = Connections; PS (1/2" NPT), PM (M20), PN (3/4" NPT) or PG (M25)
d = Number of open cable entries; 1, 2, or 3
e = Indicator option; Single letter or number (not relevant to safety)
f = Number of switches; 0, 1, 2 , 3, or 4
g = Switch options; MG, P4, P5, PE, PP, PT, N8, NP, NQ, NR, NS or NT
i = Analog output; 0
j = Wiring options; 0, 1, 2, 3, 4, or H
k = Minimum extra terminals; 0 thru 16
l = Special options; 0 or V

UltraSwitch™ PS/PM Switch Box a-b-P-d-e-f-3-h
IS/ I, II, III / 1 / ABCDEFG / T*; -40°C ≤ Ta ≤ 80°C; IP66; Type 4X; Entity – RA-2
NI/I/2/ABCD/T*; -40°C ≤ Ta ≤ 80°C; IP66; Type 4X; NIFW; RA-2
DIP/II/2/EFG/T6 -40°C ≤ Ta ≤ 80°C; IP66; Type 4X
DIP/III/1, 2/T6 -40°C ≤ Ta ≤ 80°C; IP66; Type 4X
*See Control Drawing

a = Brand sticker; Single letter or number (not relevant to safety)
b = Connections; C (1/2" NPT) or N (3/4" NPT)
d = Indicator option; Single letter or number (not relevant to safety)
e = Language
f = Switch type; B, K or S
h = Mounting selection; Single or triple letter or number (not relevant to safety)

Equipment Ratings:

Intrinsically Safe for Class I,II and III, Division 1, Groups A, B, C, D, E, F and G; Nonincendive with Nonincendive Field Wiring for Class I, Division 2, Groups A, B, C and D hazardous locations per Control Drawing RA-2. Temperature Class T4, T5 or T6, see Control Drawing RA-2 for details. Dust Ignition Proof for Class II, Division 2 Groups E, F and G; Dust Ignition Proof for Class III, Division 1 and 2, Indoor and Outdoor (Type 4X and IP66) Hazardous locations. Temperature Class T6.

FM Approved for:

Palmstierna International AB
SE-171 54 Solna, Sweden

To verify the availability of the Approved product, please refer to www.approvalguide.com

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CAN-C22.2 No. 157-92	2006
CAN-C22.2 No. 213-M1987	2008
CSA-C22.2 No. 25	2004
CAN/CSA-C22.2 No. 61010-1	2009
CSA-C22.2 No. 94-M91	2011
CAN/CSA-C22.2 No. 60529	2010

Original Project ID: 0003043047
Canadian Project ID: 0003047442   Approval Granted:

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3047443	December 12, 2012		
3048055	September 24, 2013		

FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

24 September 2013
Date