



Member of the FM Global Group

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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**Multibox Junction Boxes Process Wiring System.**

**Junction Boxes: P-4MBa12-4-CSa12, P-8MBa12-4-CSa19,  
P-8 RKFa 40-CSa19, P-VBMa 80-CSa19, P-4MBa12-4-b-c-d, P-4 RKFa 40-b-c-d,  
P-VBMa 40-b-c-d, P-8MBa12-4-b-c-e, P-8 RKFa 40-b-c-e, P-VBMa 80-b-c-e.**

IS / I, II, III / 1 / ABCDEFG / T6 Ta = 80°C – QCF-00147;

I / 0 / AEx ia / IIC T6 Ta = 80°C – QCF-00147;

NI / I / 2 / ABCD / T6 Ta = 80°C

Entity Parameters\*

\*See control drawing QCF-00147 for details of entity parameters.

a = V or blank.

b = 3 or 4-digit ITC cable number.

c = cable length in meters.

d = Molded receptacle CSM12, CSMV12, CSML12, CSMT12 or blank

e = Molded receptacle CSM19, CSMV19, CSML19, CSMT19 or blank

*Special conditions of use:*

1. *When installed using the following accessory equipment per control drawing QCF-00147:*
2. *Some of the enclosures are constructed from plastic. To prevent the risk of electrostatic sparking, the plastic surface should only be cleaned with a damp cloth.*
3. *Some of the enclosures contain aluminum. Aluminum is considered to constitute a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.*

*Eurofast Cords*

P-RKGb 4T-a-g  
 P-WKEb 4T-a-g  
 P-RSGb 4T-a-g  
 P-WSEb 4T-a-g  
 P-RKGb 4T-a-g-RSGb 4T  
 P-RKGb 4T-a-g-WSEb 4T  
 P-WKEb 4T-a-g-RSGb 4T  
 P-WKEb 4T-a-g-WSEb 4T  
 P-RKAb-4A-a-g  
 P-RSAb-4A-a-g

*Minifast Receptacles*

P-RKFb 40-g/e,  
 P-RSFb 40-g/e,  
 P-RKFb 40-a-g/e,  
 P-RSFb 40-a-g/e,  
 P-RKFb 40-g,  
 P-RSFb 40-g,  
 P-RKFb 40-a-g,  
 P-RSFb 40-a-g

*Field-Wireable Connectors*

B8141  
 BS8141  
 B8241  
 BS8241  
 B4141  
 BS4141  
 B4141  
 BS4141  
 B4241  
 BS4241





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P-RKAb 4A-a-g-RSAb 4A  
P-RKAb 4A-a-g-RKAb 4A  
P-RSAb 4A-a-g-RSAb 4A

**Eurofast Receptacles**

P-FKb 4-g/e,  
P-FSb 4-g/e,  
P-FKb 4-a-g/e,  
P-FSb 4-a-g/e,  
P-FKP 4-g,  
P-FKP 4-a-g,  
P-FKb 4-g,  
P-FSb 4-g,  
P-FKb 4-a-g,  
P-FSb 4-a-g

**Multifast Cords**

P-CKMd fh-a-g,  
P-CKWmd fh-a-g,  
P-CSMd fh-a-g,  
P-CSWmd fh-a-g,  
P-CSMd CKMd fh-a-g,  
P-CSMd CKWmd fh-a-g,  
P-CSWmd CKMd fh-a-g,  
P-CSWmd CKWmd fh-a-g

**Lokfast Guards**

Lock-Euro-FW,  
Lock-Mini-FW,  
Lock-Mini,  
Lock-Euro-A,  
Lock-Euro-G

**Minifast Cords**

P-RKc 40h-a-g,  
P-WKc 40h-a-g,  
P-RSc 40h-a-g,  
P-WSc 40h-a-g,  
P-RSc RKc 40h-a-g,  
P-RSc WKc 40h-a-g,  
P-WSc RKc 40h-a-g,  
P-WSc WKc 40h-a-g

**Multifast Receptacles**

P-CKFLb f-a-g,  
P-CSFLb f-a-g,  
P-CKFLb f-g,  
P-CSFLb f-g

- a = 3 or 4-digit ITC cable number
- b = eurofast housing material: V or blank
- c = minifast housing material: M or V
- d = multifast material/interlock: L, T, V or blank
- e = Thread size/type: 14.5/NPT, 14.75/NPT, or M20
- f = Number of multifast conductors: 12 or 19
- g = Cable or lead length in meters
- h = Armored cable: A or blank

**Multibox Junction Boxes Process Wiring System.**

**Junction Boxes: P-4MBMaA-de-CSa12, P-4 RKFa fg-CSa12, P-VBMa 4de-CSa12, P-7MBMaA-de-CSa19, P-8 RKFa fg-CSa19, P-VBMa 8de-CSa19, P-4 RKFa fg-b-c-h, P-VBMa 4de-b-c-h, P-8 RKFa fg-b-c-j, P-VBMa 8de-b-c-j**

NI/I/2/ABCD/T6 Ta = 80°C

- a = V or blank
- b = 3 or 4-digit cable number
- c = cable length in meters
- d = Number of eurofast pins/sockets: 4 or 5.
- e = eurofast connection code: .1, .2, .3, . . . .99, or blank
- f = Number of minifast pins/sockets: 2, 3, 4, 5, or 6
- g = minifast connection code: 0, 1, 2, 3, . . . 99
- h = Molded receptacle CSM12, CSMV12, CSML12, CSMT12 or blank
- j = Molded receptacle CSM19, CSMV19, CSML19, CSMT19 or blank

**Special conditions of use:**

1. When installed using the following accessory equipment per control drawing QCF-00147

**Eurofast Cords**

P-RKGf abT-e-n,  
P-WKEf abT-e-n,  
P-RSGf abT-e-n,

**Minifast Receptacles**

P-RKFg cd-n/k,  
P-RKFg cd-n/k,  
P-RKFg cd-e-n/k,

**Field-Wireable Connectors**

B8141  
BS8141  
B8241



P-WSEf abT-e-n,	P-RSFg cd-e-n/k,	BS8241
P-RKGf abT-e-n-RSGf abT,	P-RKFg cd-n,	B8151
P-RKGf abT-e-n-WSEf abT,	P-RSFg cd-n,	BS8151
P-WKEf abT-e-n-RSGf abT,	P-RKFg cd-e-n,	B8251
P-WKEf abT-e-n-WSEf abT	P-RSFg cd-e-n,	BS8251
P-RKAf abA-e-n	P-RKFg cd-EX-n/k,	B41c1
P-RSAf-ab-e-n	P-RSFg cd-EX-n/k	BS41c1
P-RKAf abA-e-RSAf abA		B41c1
P-RSAf abA-e-n-RSAf abA		BS41c1
P-RKAf abA-e-n-RKAf abA		B42c1
		BS42c1

*Eurofast Receptacles*

P-FKf ab-n/k,  
P-FSf ab-n/k,  
P-FKf ab-e-n/k,  
P-FSf ab-e-n/k,  
P-FKP ab-n,  
P-FKP ab-e-n,  
P-FKf ab-n,  
P-FSf ab-n,  
P-FKf ab-e-n,  
P-FSf ab-e-n

*Multifast Cords*

P-CKMh mp-e-n,  
P-CKWMh mp-e-n,  
P-CSMh mp-e-n,  
P-CSWMh mp-e-n,  
P-CSMf CKMh mp-e-n,  
P-CSMf CKWMh mp-e-n,  
P-CSWMf CKMh mp-e-n,  
P-CSWMf CKWMh mp-e-n

*Lokfast Guards*

Lock-Euro-FW,  
Lock-Mini-FW,  
Lock-Mini,  
Lock-Euro-A,  
Lock-Euro-G

*Minifast Cords*

P-RKg cdp-e-n,  
P-WKg cdp-e-n,  
P-RSg cdp-e-n,  
P-WSg cdp-e-n,  
P-RSg RKg cdp-e-n,  
P-RSg WKg cdp-e-n,  
P-WSg RKg cdp-e-n,  
P-WSg WKg cdp-e-n

*Multifast Receptacles*

P-CKFLf m-e-n,  
P-CSFLf m-e-n,  
P-CKFLf m-n,  
P-CSFLf m-n

- a = Number of eurofast pins/sockets: 4 or 5
- b = eurofast connection code: .1, .2, .3, . . . .99 or blank
- c = Number of minifast pins/sockets: 2, 3, 4, 5, or 6
- d = minifast connection code: 0, 1, 2, 3, . . . 99
- e = 3 or 4-digit ITC cable number
- f = eurofast housing material: V or blank
- g = minifast housing material: M or V
- h = multifast material/interlock: L, T, V or blank
- k = receptacle thread: 14.5/NPT, 14.75/NPT, or M20
- m = Number of multifast conductors: 12 or 19
- n = Cable or lead length
- p = Armored cable: A or blank

2. Or when installed using the following accessory equipment per control drawing NI-2.417:

*Minifast Cords*

P-TC-RKa bc-d-e/f  
P-TC-RKa RKa bc-d-e/f  
P-TC-RKa WKa bc-d-e/f  
P-TC-RSa bc-d-e/f  
P-TC-RSa RKa bc-d-e/f  
P-TC-RSa RSa bc-d-e/f  
P-TC-RSa WKa bc-d-e/f





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P-TC-RSa WSa bc-d-e/f  
P-TC-WKa bc-d-e/f  
P-TC-WKa WKa bc-d-e/f  
P-TC-WSa bc-d-e/f  
P-TC-WSa RKa bc-d-e/f  
P-TC-WSa WKa bc-d-e/f  
P-TC-WSa WSa bc-d-e/f

a = Minifast housing material: M or V  
b = Number of minifast pins/sockets: 2, 3, 4, 5, or 6  
c = Minifast connection/color code: 0, 1, 2, 3, . . . 99  
d = 3 or 4-digit ITC cable number  
e = Cable or lead length in meters. Not Safety Relevant  
f = Optional Conductor Size: CS12999 or blank.

### Equipment Ratings:

Intrinsically Safe for use in Class I, II, III, Division 1, Groups A, B, C, D, E, F, & G; Class I, Zone 0, Group IIC; and Nonincendive apparatus for use in Class I, Division 2, Groups A, B, C & D hazardous (classified) locations, in accordance with control drawing QCF-00147. A temperature class of T6 @ Ta = 80°C

Nonincendive apparatus for use in Class I, Division 2, Groups A, B, C & D hazardous (classified) locations, in accordance with control drawing QCF-00147 or NI-2.417. A temperature class of T6 @ Ta = 80°C

### FM Approved for:

TURCK Inc.  
Minneapolis, MN



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

Class 3600	1998
Class 3610	2010
Class 3611	1999
Class 3615	1989
Class 3810	1989

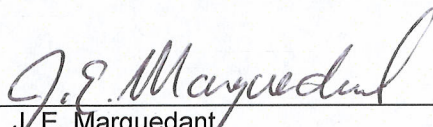
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Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
040119	February 4, 2004		
052405	June 27, 2005		
090206	August 5, 2009		
090209	September 16, 2009		
100901	September 9, 2010		
101105	January 28, 2011		
3044899	June 14, 2012		
120529	July 19, 2012		

FM Approvals LLC

  
 J. E. Marquedant  
 Group Manager, Electrical

19 July 2012  
 Date