



Certificate of Compliance

Certificate: 1690200 (LR 82245)

Master Contract: 157759

Project: 70005681

Date Issued: April 25, 2014

Issued to: Turck Inc.

**3000 Campus Dr
Plymouth, MN 55441-2656
USA
Attention: Brad Larson**

The products listed below are eligible to bear the CSA Mark shown



Gary Benden

Issued by: Gary Benden

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Division 2, Groups A, B, C & D:

- Process Wiring System, rated 150V, 4A, Temperature Code T5, Ta = 80°C for Division 2 Locations per Control Drawing No. NI-2.404 comprised of the following components:

Turck Process Wiring Junction Boxes:

P-4 RKFa fg-CSa12/C, P-4MBa12-de-CSa12/C, P-VBMa 4de-CSa12/C,

P-8MBa12-de-CSa19/C, P-8 RKFa fg-CSa19/C, P-VBMa 8de-CSa19/C,

P-4MBa12-de-b-c/C, P-4 RKFa fg-b-c/C, P-VBMa 4de-b-c/C, P-8MBa12-de-b-c/C, P-8 RKFa fg-b-c/C,

P-VBMa 8de-b-c/C

a = V or blank

b = 3- or 4-digit cable number

c = cable length in meters



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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, 2,99

Note: Junction boxes and connectors are Type 4X when a = V and Type 4 when a = blank.

Eurofast Cords:

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

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

P-RKAf abA-e-n, P-RSAf abA-e-n, P-RKAf abA-e-n-RSAf abA

Eurofast Receptacles:

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

P-FKf abp-n, P-FSf abp-n, P-FKf abp-e-n, P-FSf abp-e-n

Minifast Cords: (Rated 150V, 5A)

P-RKgg cd-e-nM, P-WKg cd-e-nM, P-RSgg cd-e-nM, P-WSg cd-e-nM, P-RSgg RKgg cd-e-nM,

P-RSg WKg cd-e-nM, P-WSg RKg cd-e-nM, P-WSg WKg cd-e-nM

Minifast Receptacles: (Rated 150V, 5A)

P-RKFf cdp-n/k, P-RSFf cdp-n/k, P-RKFf cdp-e-n/k, P-RSFf cdp-e-n/k, P-RKFr cdp-n, P-RSFr cdp-n,

P-RKFr cdp-e-n, P-RSFr cdp-e-n

Multifast Cords:



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P-CKMh md-e-n, P-CKWMh md-e-n, P-CSMh md-e-n, P-CSWMh md-e-n, P-CSSMf md-e-n,
P-CSSWf md-e-n, P-CXMf md-e-n, P-CXWMf md-e-n, P-CSMh CKMh md-e-n,
P-CSMh CKWMh md-e-n, P-CSWMh CKMh md-e-n, P-CSWMh CKWMh md-e-n,
P-CSSMf CKMh md-e-n, P-CSSMf CKWMh md-e-n, P-CSSWMf CKWMh md-e-n,
P-CSSWMf CKMh md-e-n, CXMf CKMh md-e-n, CXMf CKWMh md-e-n, CXWMf CKMh md-e-n,
CXWMf CKWMh md-e-n, CXMf CSMh md-e-n, CXMf CSWMh md-e-n, CXWMf CSMh md-e-n,
CXWMf CKSMh md-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, followed by A or blank

c = number of minifast pins/sockets: 2, 3, 4, 5, or 6

d = minifast connection code 0, 1, 2,99 followed by A or blank

e = 3- or 4-digit cable number

f = eurofast housing material V or blank

g = minifast housing material M or V

h = multifast housing material/interlock L, T, V or blank

k = receptacle thread 14.5/NPT, 14.75/NPT, or M20

m = number of multifast conductors 12, 12A, 19, or 19A

n = cable or lead length

p = standard drain conductor D or blank

q = B or blank (larger diameter construction)

r = back panel mount P or blank



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Lokfast Connector Guards:

Lock-Mini-FW, Lock-Mini, Lock-Mini-Angle, Lock-Euro-C, Lock-Euro-G, Lock-Euro-A, Lock-Euro-R,
Lock-Euro-FW

Notes:

1. All connectors in Division 2 locations must be secured with the integral set-screw (applicable only to connectors equipped with a set-screw) or fitted with a lokfast connector guard.

- Fieldbus Wiring System for Division 2 Locations per Control Drawing NI-2.403 comprised of the following components:

Turck Fieldbus Junction Boxes (Rated 30V, 1A, Temperature Code T5, Ta = 70°C):

JBBS-25SC-E..a, JBBS-25SC-M..a, JBBS-48SC-E..a, JBBS-48SC-M..a, JBBS-49SC-E..a,
JBBS-49SC-M..a

Turck Fieldbus Junction Boxes (Rated 30V, 3A, Temperature Code T5, Ta = 80°C):

JBBS-25-E..a, JBBS-25-M..a, JBBS-48-E..a, JBBS-48-M..a, JBBS-49-E..a, JBBS-49-M..a,
JBBS-57-E..a, JBBS-57-M..a

Note: Junction boxes and connectors are Type 4X when a = 3 and Type 4 when a = 4.

Eurofast Cords:

RKAb d-hM, RKAb g-hM, RSAb d-hM, RSAb g-hM, RKAb d-hM-RSAb d, RKAb d-hM-RKAb d,
RSAb d-hM-RSAb d, RKAb d-hM-RSc d, RKAb d-h-RKc d, RSAb d-h-RKc d, RSAb d-h-RSc d,
RKAb g-h-RSAb g, RKAb g-h-RSc g, RSAb g-h-RKc g, RSAb g-h-RSc g, RSCb mn-hM,



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RSCDb mn-hM, RSSb mn-hM, RSSVb mn-hM, RSCb RSCb mn-hM, RSCDb RSCDb mn-hM,
RSSb RSSb mn-hM, RSSDb RSSDb mn-hM, RSCb RJ45p mn-hM, RSCDb RJ45p mn-hM,
RSSDb RJ45p mn-hM, RSSXb RJ45p mn-hM

Eurofast Receptacles:

FKb-e-h, FKb-e-ha, FKb-f-h, FKb-f-ha, FSb-e-h, FSb-e-ha, FSb-f-h, FSb-f-ha, FKDDb mn-hM,
FKFDDb mn-hM, FKFDv mn-hM

Minifast Cords: (Rated 150V, 5A)

RKck-d-hM, RSck-d-hM, RKc-g-hM, RSc-g-hM, RKck RKck d-hM, RKc RKc g-hM, RSck RSck d-hM,
RSc RSc g-hM, RSck RKck d-hM, RSc RKc g-hM, RKc d-h-RSAb d, RKc g-h-RSAb g,
RSc WKc-d-hM, WSc RKc-d-hM, WSc WKc-d-hM, WSc WSc-d-hM

Minifast Receptacles: (Rated 150V, 5A)

RKFb e-h, RKFb e-ha, RKFb f-h, RKFb f-ha, RSFb e-h, RSFb e-ha, RSFb f-h, RSFb f-ha

a = receptacle thread 14.5/NPT, 14.75/NPT, or M20

b = V or blank

c = M or V

d = 255A, 4510A, 48A, 482A, 482BA, 492A, 492BA, 492BKA, 4920A, 5721A

e = 25, 45, 48, 49, 49T, 57

f = 254, 254B, 254BK, 483, 483B, 483BK, 484, 490, 490B, 493, 493B, 493O, 496, 496BK, 496O, 5711, 572,
5722, 5727, 577, 578, 579

g = 254, 254BK, 483, 483B, 490, 490B, 490OBS, 4910, 4911, 4912, 4912O, 493, 493B, 493O, 496, 496BK,
496O, 5712

h = cable or lead length



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k = B or blank (larger diameter construction)

m = 42, 44, 84 or 86

n = 0, 1, 2, 3, 4 or 5

p = S, M, IP67, SMIP67, MIP67 or blank

Lokfast Connector Guards:

SHLD-MINI, SHLD-MINI-FW, SHLD-EURO, SHLD-EURO-A, SHLD-EURO-FW

Notes:

1. All connectors in Division 2 locations must be secured with the integral set-screw (applicable only to connectors equipped with a set-screw) or fitted with a lokfast connector guard.

Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III:

Class I, Division 2, Groups A, B, C & D:

- Explosion-Proof Feed-Thru Device Gland Receptacles, rated 150V, 5A, $T_a = 80^\circ\text{C}$. For use with certified explosion-proof apparatus which is installed in Division 2 locations with Turck Division 2 cordsets per Control Drawing NI-2.404:

Minifast Receptacles:

P-RSFa bceEX-d/14.5/NPT, P-RKF a bceEX-d/14.5/NPT, P-RSF a bceEX-d/14.75/NPT,

P-RKF a bceEX-d/14.75/NPT

a = housing material V or blank

b = number of pins/sockets: 2, 3, 4, 5, or 6

c = connection code 0, 1, 2, . . . 99



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d = cable or lead length

e = standard drain conductor D or blank

Note: Explosion-Proof Feed-Thru Device Gland Receptacles are Type 4X when a = V, Type 4 when a = blank.

Class I, Division 1 & 2, Groups A, B, C & D;

- Secondary Conduit Seal/Explosion-Proof Feed-Thru Device Gland Receptacles, rated 150V, 5A, Ta = 80°C, Enclosure Type 4X, For use with certified apparatus which is installed with Turck cordsets per Control Drawing NI-2.404:

Models:

P-RKFVa bdEXG-c/14.5/NPT (Female Minifast Receptacle)

P-RSFVa bdEXG-c/14.5/NPT (Male Minifast Receptacle)

a = number of pins/sockets: 2, 3 or 4

b = connection code (variable for conductor colors, pin-out, and wire gauge) 0, 1, 2, . . . 99

c = lead length in meters

d = standard drain conductor D or blank

- ACIC-HL Extension Receptacles, rated 300V, 8A, Ta = 80°C. For use with certified explosion-proof apparatus which is installed in Division 1 locations and connected to Turck Division 2 cordsets in Division 2 locations per Control Drawing NI-2.404:

Models:

P-RSFa bc-EXG-d-e/f/14.5/NPT, P-RSFa bc-EXG-d-e/f/14.5/NPT/UNION

- ACIC-HL Extension Assemblies, rated 300V, 8A, Ta = 80°C. For use in interconnecting certified explosion-proof apparatus which is installed in Division 1 locations per Control Drawing NI-2.404:



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Models:

P-EXG 1h-d-e/f/14.5/NPT, P-EXG 1h-d-e/f/14.5/NPT/UNION, P-EXG 2h-d-e/f/14.5/NPT,
P-EXG 2h-d-e/f/14.5/NPT/UNION

- ACIC-HL cords, rated 300V, 8A, $T_a = 80^\circ\text{C}$. For use with certified explosion-proof apparatus which is installed in Division 2 locations and the ACIC-HL cord extending through a Division 1 location per Control Drawing NI-2.404:

Models:

P-RSgB RKgB bcA-EX-d-eM, P-RKgB bcA-EX-d-eM, P-RSgB bcA-EX-d-eM

a = V or blank

b = 2, 3, 4, 5 or 6

c = 0, 1, 2, 3, . . . 9, 01, 02, 03, . . . 99

d = 4-digit ACIC-HL cable number

e = cable length in meters

f = lead length in meters

g = M or V

h = configuration code A1, A2, A3, . . . Z9 or blank

CLASS 2258-04 – PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity – For Hazardous Locations

Class I, Division 1, Groups A, B, C & D; Class II, Division 1, Groups E, F & G; Class III:

Class I, Division 2, Groups A, B, C & D:



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- Process Wiring System, rated 30V, 600mA, Temperature Code T5, Ta = 80°C for Division 1 (Intrinsically Safe - Entity) and Division 2 locations per Control Drawing NI-2.404 comprised of the following components:

Turck Process Wiring Junction Boxes:

P-4 RKF_a 40-CS_a12/C, P-4MB_a12-4-CS_a12/C, P-VB_aMa 40-CS_a12/C,

P-8MB_a12-4-CS_a19/C, P-8 RKF_a 40-CS_a19/C, P-VB_aMa 80-CS_a19/C,

P-4MB_a12-4-b-c/C, P-4 RKF_a 40-b-c/C, P-VB_aMa 40-b-c/C, P-8MB_a12-4-b-c/C, P-8 RKF_a 40-b-c/C,

P-VB_aMa 80-b-c/C

a = V or blank

b = 3- or 4-digit cable number

c = cable length in meters

Note: Junction boxes and connectors are Type 4X when a = V and Type 4 when a = blank.

Eurofast Cords:

P-RKG_a 4T-b-c, P-WKE_a 4T-b-c, P-RSG_a 4T-b-c, P-WSE_a 4T-b-c, P-RKG_a 4T-b-c, P-RSG_a 4T,

P-RKG_a 4T-b-c-WSE_a 4T, P-WKE_a 4T-b-c-RSG_a 4T, P-WKE_a 4T-b-c-WSE_a 4T, P-RKA_a 4A-b-c,

P-RSA_a 4A-b-c, P-RKA_a 4A-b-c-RSA_a 4A, P-RKR_a 4A-b-c, P-RSR_a 4A-b-c, P-RKR_a 4A-b-c-RSR_a 4A

Eurofast Receptacles:

P-FK_a 4g-c/d, P-FS_a 4g-c/d, P-FK_a 4g-b-c/d, P-FS_a 4g-b-c/d, P-FKP 4g-c, P-FKP 4g-b-c,

P-FK_a 4g-c, P-FS_a 4g-c, P-FK_a 4g-b-c, P-FS_a 4g-b-c

Minifast Cords:



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P-RKkm 40 h -b-c, P-WKk 40 h -b-c, P-RSk 40 h -b-c, P-WSk 40 h -b-c, P-RSk RKkm 40 h -b-c,
P-RSk WKk 40 h -b-c, P-WSk RKk 40 h -b-c, P-WSk WKk 40 h -b-c

Minifast Receptacles:

P-RKF a 40g-c/d, P-RKF a 40g-c/d, P-RKF a 40g-b-c/d, P-RSF a 40g-b-c/d, P-RKF a 40g-c, P-RSF a 40g-c,
P-RKF a 40g-b-c, P-RSF a 40g-b-c

Multifast Cords:

P-CKMe f-b-c, P-CKWMe f-b-c, P-CSMe f-b-c, P-CSWMe f-b-c, P-CSMe CKMe f-b-c,
P-CSMe CKWMe f-b-c, P-CSWMe CKMe f-b-c, P-CSWMe CKWMe f-b-c

Multifast Receptacles:

P-CKFLe f-b-c, P-CSFLe f-b-c, P-CKFLe f-c, P-CSFLe f-c

a = V or blank

b = 3- or 4-digit cable number

c = cable length in meters

d = receptacle thread 14.5/NPT, 14.75/NPT, or M20

e = minifast housing material/interlock L, T, V or blank

f = number of multifast conductors 12, 12A, 19, or 19A

g = standard drain conductor D or blank

h = A or blank

k = M or V (coupling nut material)

m = B or blank (larger diameter construction)



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Lokfast Connector Guards:

Lock-Mini-FW, Lock-Mini, Lock-Mini-Angle, Lock-Euro-C, Lock-Euro-G, Lock-Euro-A, Lock-Euro-R,
Lock-Euro-FW

Notes:

1. The Process Wiring System listed above is for connection to only Class 2 Extra Low Voltage circuits.
2. All connectors in Division 2 locations must be secured with the integral set-screw (applicable only to connectors equipped with a set-screw) or fitted with a lokfast connector guard.

Notes:

APPLICABLE REQUIREMENTS

CAN/CSA No. 0-M91	-	General Requirements - Canadian Electrical Code, Part II
CSA C22.2 No. 25-1966	-	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CSA C22.2 No. 30-M1986	-	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA C22.2 No. 142-M1987	-	Process Control Equipment
CAN/CSA-C22.2 No. 157-92 Locations	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA C22.2 No. 213-M1987 Hazardous Locations	-	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
LTR E-001-2003	-	Cable and Conduit Seals for Prevention of Gas Migration
CSA C22.2 No. 94.1-07	-	Enclosures for Electrical Equipment, Non-Environmental Considerations
CSA C22.2 No. 94.2-07	-	Enclosures for Electrical Equipment, Environmental Considerations

MARKINGS

The manufacturer is required to apply the following markings:



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- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

Refer to the label marking details (minimum component markings) drawing(s) listed in the Descriptive Documents.

METHOD OF MARKINGS

Junction Boxes

Ink pad printed directly on housings.

Cordsets

Ink printed directly on cable, CSA Certified Self-Adhesive Label Material wrapped around cordset cable or CSA Certified Self-Adhesive Label Material folded around cordset cable to form a flag label.

Lokfast Guards

CSA Certified Self-Adhesive Label Material applied to lock body or molded directly into lock body.

Explosion-Proof Feed-Thru Device Gland Receptacles

CSA Certified Self-Adhesive Label Material folded around device conductor(s) to form a flag label.

Secondary Conduit Seal/Explosion-Proof Feed-Thru Device Gland Receptacles:

Models:

P-RKFVa bdEXG-c/14.5/NPT (Female Minifast receptacle)

P-RSFVa bdEXG-c/14.5/NPT (Male Minifast receptacle)

Printed on lead flag label:

- Suitable for hazardous locations when installed per Turck control drawing NI-2.404, available at www.turck.com/fmcd

Laser etched on the wrench flat:

- CSA Monogram
- Submitter name or Identification mark
- Model Number: "P-RKFVa bdEXG-c/14.5/NPT" or "P-RSFVa bdEXG-c/14.5/NPT"
- Serial Number, Date Code or Month and Year of Manufacture
- Electrical Rating: "150V, 5A"



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- Hazardous Location Designation: “Class I, Div. 1 & Div. 2, Groups ABCD”
- Ambient Temperature Range: “-30°C to +80°C”
- MWP: “2000 psi (13790 kPa)”
- Enclosure rating: “Type 4X”
- Cont. Dwg. NI-2.404
- Statement: “Secondary Conduit Seal”
- Cautionary statement: “May contain Flammable Gasses under Pressure”

Warning: “Disconnect Power before removing cable from sealing device”

Note - Jurisdictions in Canada may require these markings to also be provided in French language. It is the responsibility of the manufacturer to provide bilingual marking, where applicable, in accordance with the requirements of the Provincial Regulatory Authorities. It is the responsibility of the manufacturer to determine this requirement and have bilingual wording added to the "Markings".