



Member of the FM Global Group

FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

Intrinsically Safe Junction Boxes

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.

Model No.	Description
P-4 RKFa 40-CSa12	Metal enclosure, 4 minifast ports, multifast home-run connector
P-8 RKFa 40-CSa19	Metal enclosure, 8 minifast ports, multifast home-run connector
P-4 RKFa 40-b-c-d	Metal enclosure, 4 minifast ports, integral home-run cable
P-8 RKFa 40-b-c-e	Metal enclosure, 8 minifast ports, integral home-run cable
P-VBMa 40-CSa12	Metal enclosure, 4 eurofast ports, multifast home-run connector
P-VBMa 80-CSa19	Metal enclosure, 8 eurofast ports, multifast home-run connector
P-VBMa 40-b-c-d	Metal enclosure, 4 eurofast ports, integral home-run cable
P-VBMa 80-b-c-e	Metal enclosure, 8 eurofast ports, integral home-run cable
P-4MBa12-4-CSa12	Molded plastic enclosure, 4 eurofast ports, multifast home-run connector
P-8MBa12-4-CSa19	Molded plastic enclosure, 8 eurofast ports, multifast home-run connector
P-4MBa12-4-b-c-d	Molded plastic enclosure, 4 eurofast ports, integral home-run cable
P-8MBa12-4-b-c-e	Molded plastic enclosure, 8 eurofast ports, integral home-run cable
P-4 RKFa 40-CSa12	Metal enclosure, 4 minifast ports, multifast home-run connector
P-8 RKFa 40-CSa19	Metal enclosure, 8 minifast ports, multifast home-run connector
P-4 RKFa 40-b-c-d	Metal enclosure, 4 minifast ports, integral home-run cable
P-8 RKFa 40-b-c-e	Metal enclosure, 8 minifast ports, integral home-run cable

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. 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.
2. 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.

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

Multibox Junctions

NI / 1 / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-a-b- c defg [c defg]* [c defg]* - CSejg	minifast ports, multifast home-run connector
P-a-b- c defg [c defg]* [c defg]* - RSFekg	minifast ports, B- or C-size minifast home-run connector
P-a-b- c defg [c defg]* [c defg]* -n-p	minifast ports, integral home-run cable
P-a-b- c defg [c defg]* [c defg]* -n-p- CSejg	minifast ports, integral home-run cable w/mold-on multifast
P-a-b- c defg [c defg]* [c defg]* -n-p- RSFekg	minifast ports, integral home-run cable w/mold-on B/C size minifast
P-a-VBMe b-cmh [cmh]* [cmh]* - CSejg	eurofast ports, multifast home-run connector
P-a-VBMe b-cmh [cmh]* [cmh]* - RSFekg	eurofast ports, B- or C-size minifast home-run connector
P-a-VBMe b-cmh [cmh]* [cmh]* - n-p	eurofast ports, integral home-run cable
P-a-VBMe b-cmh [cmh]* [cmh]* - n-p- CSejg	eurofast ports, integral home-run cable w/mold-on multifast
P-a-VBMe b-cmh [cmh]* [cmh]* - n-p- RSFekg	eurofast ports, integral home-run cable w/mold-on B/C size minifast

*additional port number/type description groups when all ports are not identical

- a = Enclosure material SS or blank.
- b = Total number of ports 3, 4, 5, 6, 7 or 8.
- c = Number of ports of a given type if all ports are not identical -1, -2, -3, -4, -5, -6, -7 or blank.
- d = Port connector type RSF or RKF.
- e = Material V or blank.
- f = Number of minifast port connector conductors 2, 3, 4, 5 or 6.
- g = Wiring option 0, 1, 2, 3, . . . 9, 01, 02, 03, . . . 99
- h = Wiring option 0, .1, .2, .3,99
- j = Home-run connector conductors 12 or 19
- k = Home-run connector conductors 7, 8, 9, 10, 12 or 19
- m = Number of eurofast port connector conductors 4 or 5
- n = 3- or 4-digit cable number
- p = Cable length in meters

Eurofast Cords

NI / 1 / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-RKGf abT-e-n	Straight female G-body molded cord
P-WKEf abT-e-n	Right angle female molded cord
P-RSGf abT-e-n	Straight male G-body molded cord
P-WSEf abT-e-n	Right angle male molded cord
P-RKAf abA-e-n	Straight female A-body molded cord
P-RSAf-abA-e-n	Straight male A-body molded cord

- a = Number of eurofast pins/sockets: 4 or 5.
- b = Eurofast connection code: .1, .2, .3,99 or blank.
- e = 3 or 4-digit ITC cable number.
- f = Housing material: V or blank.
- n = Cable or lead length.

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

Eurofast Receptacles

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-FKf ab-n	Female receptacle, individual leads, front panel mount
P-FSf ab-n	Male receptacle, individual leads, front panel mount
P-FKf ab-n/k	Female receptacle, individual leads, device entry threads
P-FSf ab-n/k	Male receptacle, individual leads, device entry threads
P-FKf ab-e-n/k	Female receptacle, molded cable, device entry threads
P-FSf ab-e-n/k	Male receptacle, molded cable, device entry threads
P-FKPf ab-n	Female receptacle, individual leads, back panel mount
P-FKPf ab-e-n	Female receptacle, individual leads, back panel mount

- a = Number of eurofast pins/sockets: 4 or 5.
- b = eurofast connection code: .1, .2, .3,99 or blank.
- e = 3 or 4-digit ITC cable number.
- f = Housing material: V or blank.
- k = receptacle thread: 14.5/NPT, 14.75/NPT, or M20.
- n = Cable or lead length.

Eurofast Field-Wireable Connectors

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
B8141-0s	4-contact female straight connector
B8241-0s	4-contact female right angle connector
B8151-0s	5-contact female straight connector
B8251-0s	5-contact female right angle connector
BS8141-0s	4-contact male straight connector
BS8241-0s	4-contact male right angle connector
BS8151-0s	5-contact male straight connector
BS8251-0s	5-contact male right angle connector

s = /0, /PG9, /8-11mm or blank

A-Size Minifast Cords

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-RKg cdpq-e-nM	Straight female molded cord
P-WKg cdpq-e-nM	Right angle female molded cord
P-RSg cdpq-e-nM	Straight male molded cord
P-WSg cdpq-e-nM	Right angle male molded cord
P-RKgB cdAq-e-nM	Straight female molded cord, armored cable
P-RSgB cdAq-e-nM	Straight male molded cord, armored cable

- 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.
- g = Housing material: M or V
- n = Cable or lead length
- p = Armored cable: A or blank
- q = H or blank.

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

A-Size Minifast Receptacles

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-RKff cd-n/k	Female receptacle, individual leads, device entry threads
P-RKff cd-n/k	Male receptacle, individual leads, device entry threads
P-RKff cd-e-n/k	Female receptacle, molded cable, device entry threads
P-RSff cd-e-n/k	Male receptacle, molded cable, device entry threads
P-RKff cd-n/x	Female receptacle, individual leads, front panel mount
P-RSff cd-n/x	Male receptacle, individual leads, front panel mount
P-RKff cd-e-n/x	Female receptacle, molded cable, front panel mount
P-RSff cd-e-n/x	Male receptacle, molded cable, front panel mount
P-RKFPf cd-n	Female receptacle, individual leads, back panel mount
P-RSFPf cd-n	Male receptacle, individual leads, back panel mount
P-RKf cd-EX-n/k	Female receptacle, explosionproof feed-thru, NPT device entry threads
P-RFSf cd-EX-n/k	Male receptacle, explosionproof feed-thru, NPT device entry threads

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 = housing material: V or blank.

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

n = Cable or lead length

x = DD panel cut-out: S3256 or blank.

A-Size Minifast Field-Wireable Connectors

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
B41c1-0/9	Female straight connector, 9mm
BS41c1-0/9	Male straight connector, 9mm
B41c1-0/13.5	Female straight connector, 13.5mm
BS41c1-0/13.5	Male straight connector, 13.5 mm
B42c1-0/9	Female right angle connector, 9mm
BS42c1-0/9	Male right angle connector, 9mm

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

Multifast Cords

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-CKMh mp-e-n	Straight female molded cord with female coupling thread
P-CKWMh mp-e-n	Right angle female molded cord with female coupling thread
P-CSMh mp-e-n	Straight male molded cord with female coupling thread
P-CSWMh mp-e-n	Right angle male molded cord with female coupling thread
P-CSSMf mp-e-n	Straight male molded cord with male coupling thread
P-CXMf mp-e-n	Straight female molded cord with male coupling thread

e = 3 or 4-digit ITC cable number.

f = Material: V or blank.

h = Multifast material/interlock: L, T, V or blank.

m= Number of multifast conductors: 12 or 19.

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

n = Cable or lead length.
p = Armored cable: A or blank.

Multifast Receptacles

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-CKFLf mrp-e-n	Female receptacle, molded cable, front panel
P-CKFDf mrp-e-n	Female receptacle, molded cable, back panel
P-CSFLf mrp-e-n	Male receptacle, molded cable, front panel
P-CSFDf mrp-e-n	Male receptacle, molded cable, back panel
P-CKFLf mr-n	Female receptacle, individual leads, front panel
P-CKFDf mr-n	Female receptacle, individual leads, back panel
P-CSFLf mr-n	Male receptacle, individual leads, front panel
P-CSFDf mr-n	Male receptacle, individual leads, back panel

e = 3 or 4-digit ITC cable number.
f = Housing material: V or blank.
m = Number of multifast conductors: 12 or 19.
n = Cable or lead length.
p = Armored cable: A or blank.
r = Connection code: 1, 2, 3, . . . 9, 01, 02, 03, . . . 99.

Minifast Tees

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-RSg-RSg-RKg c0-v	2 male minifast with 1 female minifast connector, same connection
P-RSg c0-RSg c0-RKg c0-v	2 male minifast , 1 female minifast, dissimilar connection
P-RSg-2RKg c0-v	1 male minifast, 2 female minifast connectors, same connection
P-RSg c0-2RKg c0-v	1 male minifast, 2 female minifast connectors, dissimilar connection
P-*e-n-RSg c0-*e-n	1 male minifast drop leg, 2 molded cord street legs
P-*e-n-RKg c0-*e-n	1 female minifast drop leg, 2 molded cord street legs
P-RSg c0-*e-n-RKg c0	1 male minifast and 1 female minifast street legs, 1 molded cord drop leg

*molded cords may be any of the following:

Model Code	Description
RSg cd	Male straight minifast
RKg cd	Female straight minifast
WSg cd	Male right angle minifast
WKg cd	Female right angle minifast
RSGf ab	Male straight eurofast
RKGf ab	Female straight eurofast

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 = Housing material: V or blank.
g = Housing material: M or V.
v = KF, KM or blank.

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

Minifast Feed-Thru Y-Fittings

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-2RKff cdEX-nk	2 female receptacles
P-2RKff cdBEX-nk	2 female receptacles, common shield
P-2RSff cdEX-nk	2 male receptacles
P-2RSff cdBEX-nk	2 male receptacles, common shield
P-RSff RKff cdEX-nk	1 male receptacle, 1 female receptacle
P-RSff RKff cdBEX-nk	1 male receptacle, 1 female receptacle, common shield

c = Number of minifast pins/sockets: 2, 3, 4, 5 or 6.
d = Minifast connection code: 0, 1, 2, 3, . . . 99.
f = Housing material: V or blank.
k = Receptacle thread: 14.5/NPT, 14.75/NPT, or M20.
n = Cable or lead length.

Minifast Feed-Thru Receptacles with MC-HL Extension

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-RSff 2dEXG-e-n/n/14.5/NPT/x	2-conductor male
P-RSff 3dEXG-e-n/n/14.5/NPT/x	3-conductor male
P-RSff 4dEXG-e-n/n/14.5/NPT/x	4-conductor male
P-RSff 5dEXG-e-n/n/14.5/NPT/x	5-conductor male
P-RSff 6dEXG-e-n/n/14.5/NPT/x	6-conductor male
P-RKff 2dEXG-e-n/n/14.5/NPT/x	2-conductor female
P-RKff 3dEXG-e-n/n/14.5/NPT/x	3-conductor female
P-RKff 4dEXG-e-n/n/14.5/NPT/x	4-conductor female
P-RKff 5dEXG-e-n/n/14.5/NPT/x	5-conductor female
P-RKff 6dEXG-e-n/n/14.5/NPT/x	6-conductor female

d = Minifast connection code: 0, 1, 2, 3, . . . 99.
e = 3 or 4-digit MC-HL cable number.
f = Housing material: V or blank.
n = Cable or lead length.
x = UNION or blank.

MC-HL Extensions

S / I / 1 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-EXGf 1c-e-n/n/14.5/NPT/x	MC-HL extension with one NPT fitting
P-EXGf 2c-e-n/n/14.5/NPT/x	MC-HL extension with two NPT fittings

c = Connection code: A1, A2, A3, . . . Z9.
e = 4-digit MC-HL cable number.
f = Housing material: V or blank.
n = Cable or lead length.
x = UNION or blank.

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

Minifast MC-HL Cordsets

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P-RSgB RKgB cdEX-e-nM	Male-female
P-RSgB cdEX-e-nM	Male
P-RKgB cdEX-e-nM	Female

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 MC-HL cable number.

g = Housing material: M or V.

n = Cable or lead length.

Lokfast Guards

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
Lock-Euro-FW	Locking guard for eurofast field wireable connectors
Lock-Mini-FW	Locking guard for minifast field wireable connectors
Lock-Mini	Locking guard for straight A-size minifast molded connectors
Lock-Euro-A	Locking guard for A-body eurofast molded connectors
Lock-Euro-G	Locking guard for G-body eurofast molded connectors
Lock-Mini-Angle	Locking guard for right angle A-size minifast molded connectors
Lock-Mini-Tee	Locking guard for A-size minifast molded Tees

V*fast Valve/Actuator Cords

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
P- TAa b-ce-fM	DIN 43650 Type A cord, ground side cable exit
P- TBa b-ce-fM	DIN 43650 Type B cord, ground side cable exit
P- T1a b-ce-fM	DIN 43650 Type I cord, ground side cable exit
P- TC8a b-de-fM	DIN 43650 Type C8 cord, ground side cable exit
P- TC9a b-de-fM	DIN 43650 Type C9 cord, ground side cable exit
P- VAa b-ce-fM	DIN 43650 Type A cord, non-ground side cable exit
P- VBa b-ce-fM	DIN 43650 Type B cord, non-ground side cable exit
P- V1a b-ce-fM	DIN 43650 Type I cord, non-ground side cable exit
P- VC8a b-de-fM	DIN 43650 Type C8 cord, non-ground side cable exit
P- VC9a b-de-fM	DIN 43650 Type C9 cord, non-ground side cable exit

a = Body color G, S or Y.

b = Pin-out 2, 21, 22, or 3.

c = Wiring Code A, B, C, D, E, F.

d = Wiring Code A, L, M, N, P, R.

e = 3- or 4-digit ITC or PLTC cable number.

f = Cable length in meters.

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

Conduit Body Adapters

NI / I / 2 / ABCD / T6 Ta = 80°C – QCF-00147

Model No.	Description
CA-1/FKc ab t	1 female eurofast connector
CA-2/FKc ab t	2 identical female eurofast connectors
CA-1/FSc ab t	1 male eurofast connector
CA-2/FSc ab t	2 identical male eurofast connectors
CA-FKc ab/FKc ab t	2 different female eurofast connectors
CA-FKc ab/FSc ab t	1 female and 1 male eurofast connectors
CA-FSc ab/FSc ab t	2 different male eurofast connectors
CA-1/RKFc de t	1 female minifast connector
CA-2/RKFc de t	2 identical female minifast connectors
CA-1/RSFc de t	1 male minifast connector
CA-2/RSFc de t	2 identical male minifast connectors
CA-RKFc de/RKFc de t	2 different female minifast connectors
CA-RSFc de/RKFc de t	1 female and 1 male minifast connectors
CA-RSFc de/RSFc de t	2 different male minifast connectors
CA-RKFc de/FKc ab t	1 female minifast and 1 female eurofast connectors
CA-RSFc de/FSc ab t	1 male minifast and 1 male eurofast connectors
CA-RSFc de/FKc ab t	1 male minifast and 1 female eurofast connectors
CA-RKFc de/FSc ab t	1 female minifast and 1 male eurofast connectors
CA-1/CKc m t	1 female multifast connector
CA-1/CS c m t	1 male multifast connector

- a = Number of eurofast pins/sockets: 4 or 5.
- b = Eurofast connection code: .1, .2, .3,99 or blank.
- c = Housing material: V or blank.
- d = Number of minifast pins/sockets: 2, 3, 4, 5 or 6.
- e = Minifast connection code: 0, 1, 2, 3,99.
- m = Number of multifast conductors: 12 or 19.
- t = /S651, /S3077 or blank.

Special Conditions of Use:

1. Install in indoor hazardous locations only.

A-Size Minifast Cords with TC Cable

NI / I / 2 / ABCD / T6 Ta = 80°C – NI-2.417

Model No.	Description
P-TC-RKa bc-d-e/f	Straight female cord
P-TC-RSa bc-d-e/f	Straight male cord
P-TC-WKa bc-d-e/f	Right angle female cord
P-TC-WSa bc-d-e/f	Right angle female cord

- 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.

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

B- and C-size minifast cords

IS / 1 / 1 / ABCD / T6 / 80°C – NI-2.407

NI / 1 / 2 / ABCD / T6 / 80°C – NI-2.407

Model No.	Description
P-RKbc efh-d-k	Straight female molded cord
P-RSb efh-d-k	Right angle female molded cord
P-WKb efh-d-k	Straight male molded cord
P-WSb efh-d-k	Right angle male molded cord

- b = Material Option: M or V.
- c = Overmold Construction: S or blank.
- d = Cable Type: 3- or 4-digit ITC cable number.
- e = Number of Conductors: 7, 8, 9, 10, 12 or 19.
- f = Connection/Color Code: Not safety relevant.
- h = Plastic Material: H or blank.
- k = Cable or Lead Length in Meters: Not safety relevant.

B- and C-size minifast Receptacles

IS / 1 / 1 / ABCD / T6 / 80°C – NI-2.407

NI / 1 / 2 / ABCD / T6 / 80°C – NI-2.407

Model No.	Description
P-RSFa efg-h-km	Female receptacle, individual leads, device entry threads
P-RKFb efg-h-km	Male receptacle, individual leads, device entry threads

- a = Material Option: V or blank.
- b = Material Option: M or V.
- e = Number of Conductors: 7, 8, 9, 10, 12 or 19.
- f = Connection/Color Code: Not safety relevant.
- g = Drain Connection: D or blank.
- h = Plastic Material: H or blank.
- k = Cable or Lead Length in Meters: Not safety relevant.
- m = Thread Option: /14.5/NPT, /14.75/NPT, or blank.

B- and C-size minifast Feed-Thru Receptacles

IS / 1 / 1 / ABCD / T6 / 80°C – NI-2.407

NI / 1 / 2 / ABCD / T6 / 80°C – NI-2.407

Model No.	Description
P-RSFa efgEX-k/14.75/NPT	Female receptacle, explosionproof feed-thru, NPT device entry threads
P-RKFb efgEX-k/14.75/NPT	Male receptacle, explosionproof feed-thru, NPT device entry threads

- a = Material Option: V or blank.
- d = Cable Type: 3- or 4-digit ITC cable number.
- e = Number of Conductors: 7, 8, 9, 10, 12 or 19.
- f = Connection/Color Code: Not safety relevant.
- g = Drain Connection: D or blank.
- h = Plastic Material: H or blank.
- k = Cable or Lead Length in Meters: Not safety relevant.
- m = Thread Option: /14.5/NPT, /14.75/NPT, or blank.

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



Member of the FM Global Group

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 for use in Class I, Division 2, Groups A, B, C & D hazardous (classified) locations, in accordance with control drawing QCF-00147.

Nonincendive apparatus for use in Class I, Division 2, Groups A, B, C, and D hazardous (classified) locations, in accordance with control drawing QCF-00147 or NI-2.417.

Special Protection for use in Class I, Division 1, Groups A, B, C, and D hazardous (classified) locations, in accordance with control drawing QCF-00147.

Intrinsically Safe for use in Class I, Division 1, Groups A, B, C, and D; Nonincendive for use in a Class I, Division 2, Groups A, B, C and D indoor hazardous (classified) locations, in accordance with Control Drawings NI-2.407.

FM Approved for:

Turck Inc
Plymouth, MN

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



Member of the FM Global Group

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

Class 3600	2011
Class 3610	2010
Class 3611	2004
Class 3615	2006
Class 3810	2004

Original Project ID: 3018125

Approval Granted: January 9, 2004

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		
3039563	August 13, 2013		
130911	October 8, 2013		
131106	January 28, 2014		

FM Approvals LLC



J.E. Marquedant
Manager, Electrical Systems



Date 28 January 2014