

FM Approved B- and C-Size minifast Interconnects



Hazardous Location

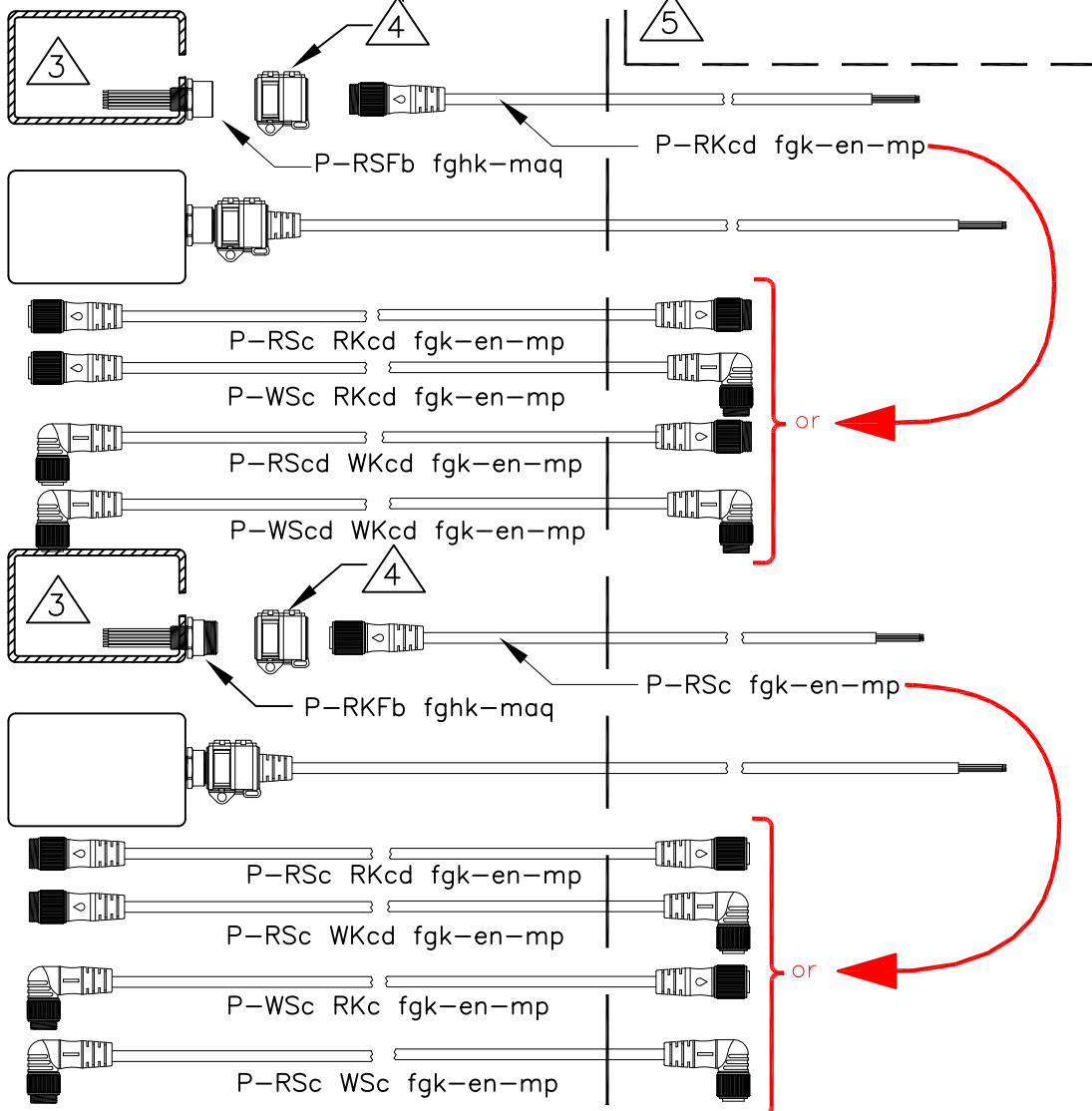
Class I, Division 2, Group A, B, C, or D

Class I, Zone 2, Group IIC

Class II, Division 2, Group E, F, or G

Nonhazardous

Location



Notes:

- The installation must be in accordance with the National Electrical Code (NEC), ANSI/NFPA 70. All approved cables have ITC rating. Specific requirements for the installation of ITC cable may be found in Article 727.
- The minimum conductor size is 22 AWG. The maximum electrical ratings for installation as ITC cable is 150 V/5 A except for 22 AWG conductors which have maximum rating of 150 V/3A.
- Nonincendive equipment, FM approved for installation in Class I, division 2.
- lokfast* guards on quick-disconnects in the hazardous location require a tool to disconnect, rendering the connection not normally arcing. Use LOCK-MINI-B&C for straight connectors or LOCK-MINI-B&C-ANGLE for right angle connectors.
- The molded construction of the cordset and the gas/vaportight continuous sheath of the cable meet the requirements of the NEC for cable seals in Class I, Division 2. Thus, the cable may cross the boundary from Class I, Division 2 into the nonhazardous location, or may remain entirely within Class I, Division 2.
- Model number key:

a = /14.5/NPT, /14.75/NPT, M20, or blank	p = /S849, /S1331, /S1599, /S679, /S771, /S1055,
b = V or blank	/S1057, /S1126, /S3001, /S3034, or blank
c = M or V	q = /S1331, /S1599, S849, or blank
d = S or blank	
e = cable type (3- or 4-digit number)	
f = 7, 8, 9, 10, 12 or 19	
g = 0, 1, 2, 3, . . . , 99	
h = D or blank	
k = H or blank	
m = cable or lead length in meters	
n = XL or blank	

Drawing No.:

NI-2.407

TURCK
3000 Campus Drive
Plymouth, MN 55441
Phone: (763) 553-7300

Title: Control Drawing for FM Approved
B- and C-Size minifast interconnects

Scale: None

Sheet: 1 of 4

F	Add Class II, Add RX/RV items, new Sheet 2	BVL	2/5/18
E	Add zone eq., XL code, S#s, corr. sht 2 heading	BVL	8/9/16
Rev	Description	Drft	Date

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Hazardous Location

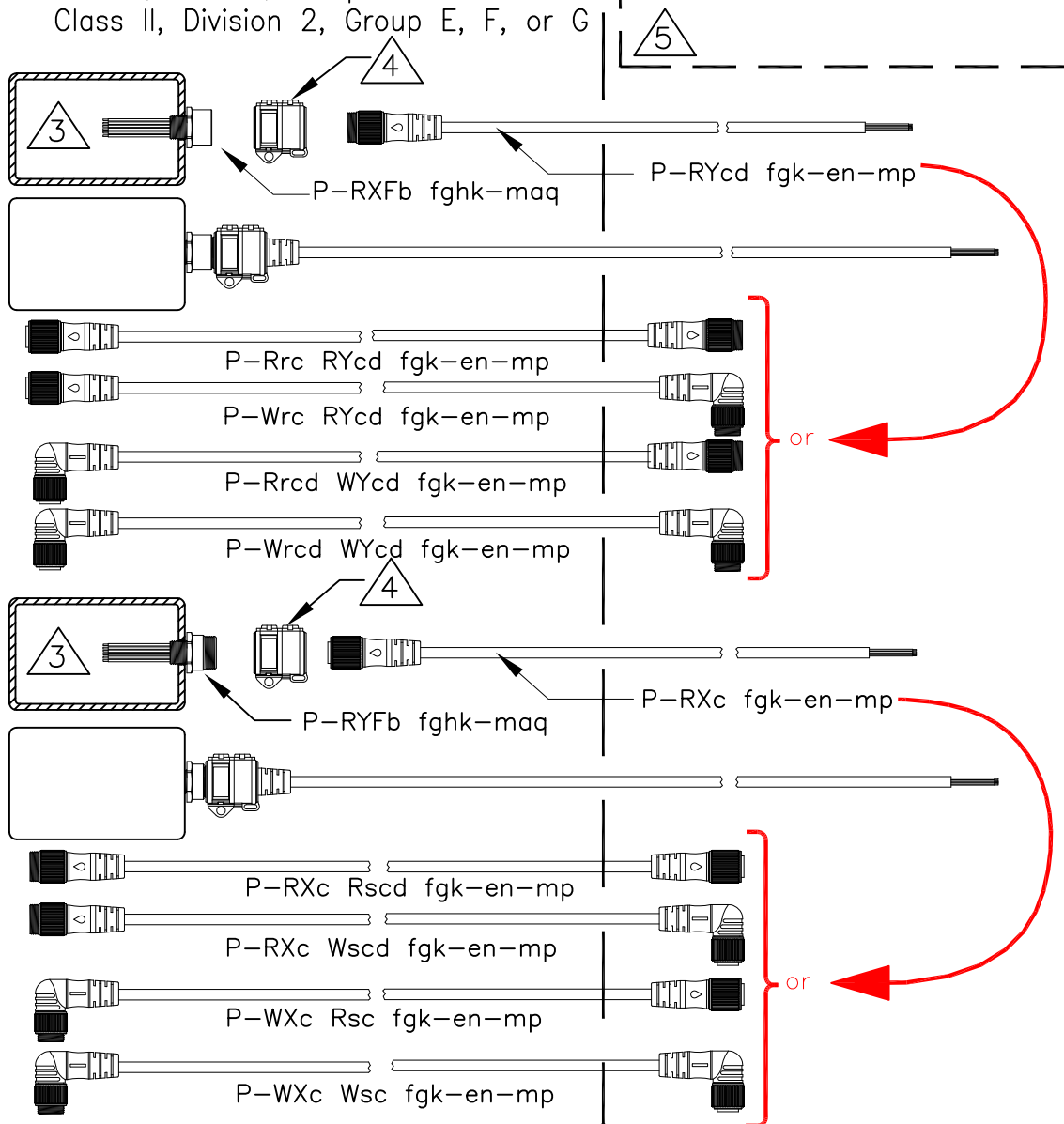
Class I, Division 2, Group A, B, C, or D

Class I, Zone 2, Group IIC

Class II, Division 2, Group E, F, or G

Nonhazardous

Location



Notes:

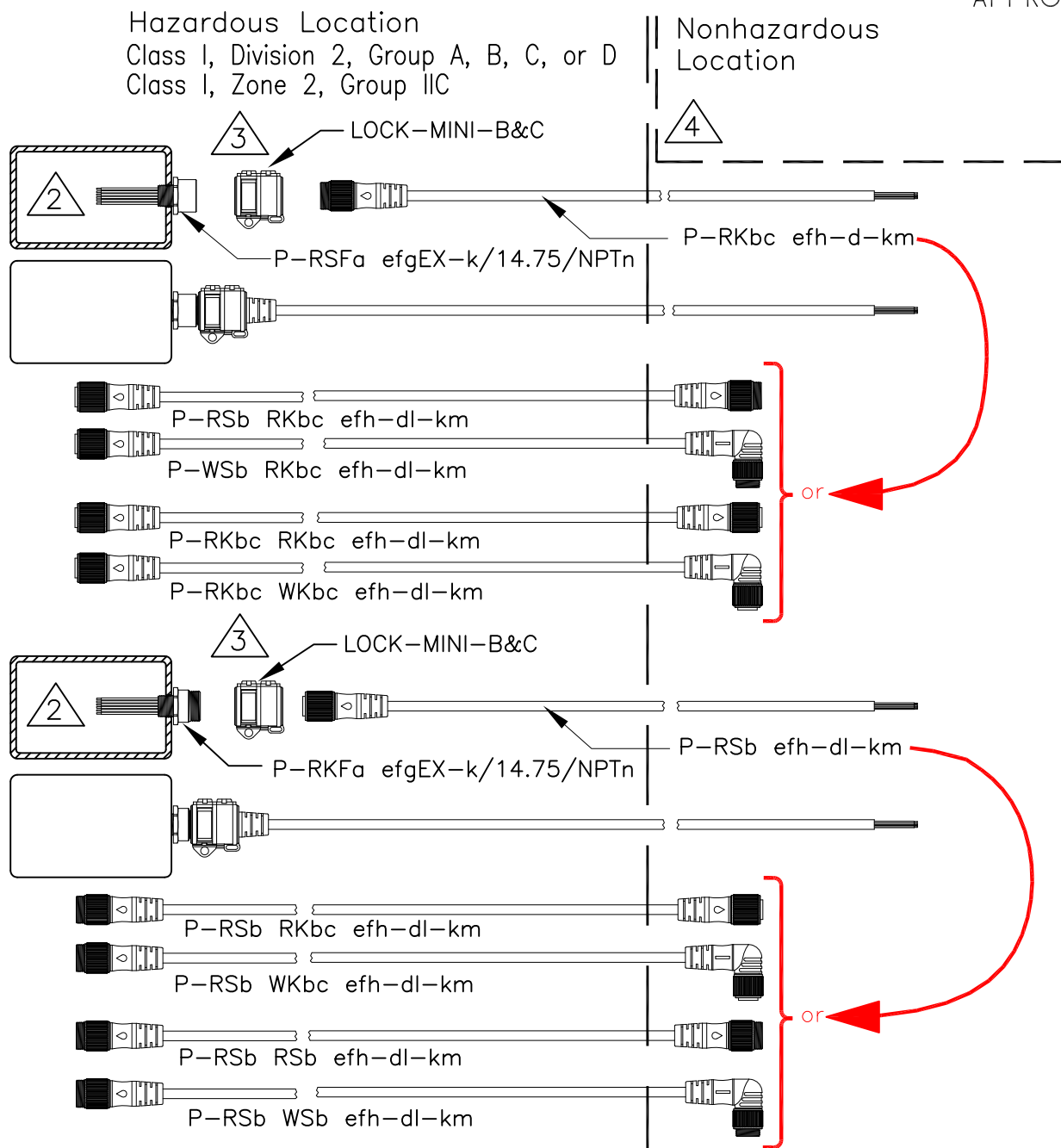
- The installation must be in accordance with the National Electrical Code (NEC), ANSI/NFPA 70. All approved cables have ITC rating. Specific requirements for the installation of ITC cable may be found in Article 727.
- The minimum conductor size is 22 AWG. The maximum electrical ratings for installation as ITC cable is 150 V/5 A except for 22 AWG conductors which have maximum rating of 150 V/3A.
- Nonincendive equipment, FM approved for installation in Class I, division 2.
- lokfast* guards on quick-disconnects in the hazardous location require a tool to disconnect, rendering the connection not normally arcing. Use LOCK-MINI-B&C for straight connectors or LOCK-MINI-B&C-ANGLE for right angle connectors.
- The molded construction of the cordset and the gas/vaportight continuous sheath of the cable meet the requirements of the NEC for cable seals in Class I, Division 2. Thus, the cable may cross the boundary from Class I, Division 2 into the nonhazardous location, or may remain entirely within Class I, Division 2.
- Model number key:

a = /14.5/NPT, /14.75/NPT, M20, or blank	m = cable or lead length in meters
b = V or blank	n = XL or blank
c = M or V	p = /S849, /S1331, /S1599, /S679, /S771, /S1055,
d = S or blank	/S1057, /S1126, /S3001, /S3034, or blank
e = cable type (3- or 4-digit number)	q = /S849, /S1331, /S1599, or blank
f = 7, 8, 9, 10, 12 or 19	r = S or X
g = 0, 1, 2, 3, . . . , 99	s = K or Y
h = D or blank	
k = H or blank	

F	Add Class II, Add RX/Ry items, new Sheet 2	BVL	2/5/18	Drawing No.: NI-2.407	
Rev	Description	Drft	Date	Scale: NONE	Sheet 2 of 4

FM Approved B- and C- Size minifast Interconnects

Explosionproof feed-thru receptacles



Notes:

- The installation must be in accordance with the National Electrical Code (NEC), ANSI/NFPA 70. All approved cables have ITC rating. Specific requirements for the installation of ITC cable may be found in Article 727.
- Nonincendive equipment, FM approved for installation in Class I, division 2; or FM approved explosionproof equipment installed in Division 2.
- lokfast guards on quick-disconnects require a tool to disconnect, rendering the connection not normally arcing.
- The molded construction of the cordset and the gas/vaportight continuous sheath of the cable meet the requirements of the NEC for cable seals in Class I, Division 2. Thus, the cable may cross the boundary from Class I, Division 2 into the nonhazardous location, or may remain entirely within Class I, Division 2.
- Model number key:

a = V or blank	f = 0, 1, 2, 3, . . . , 99	m = /S1331, /S1599, /S679,
b = M or V	g = D or blank	/S771, /S1075, /S1057,
c = S or blank	h = H or blank	/S1126, /S3001, /S3034,
d = cable type (3- or 4-digit number)	k = cable or lead length in meters	or blank
e = 7, 8, 9, 10, or 12	l = XL or blank	n = /S1331, /S1599, or blank

F	Add Class II, Add RX/RV items, new Sheet 2	BVL	2/5/18	Drawing No.: NI-2.407	
Rev	Description	Drft	Date	Scale: NONE	Sheet 3 of 4

FM Approved B- and C-Size minifast Interconnects

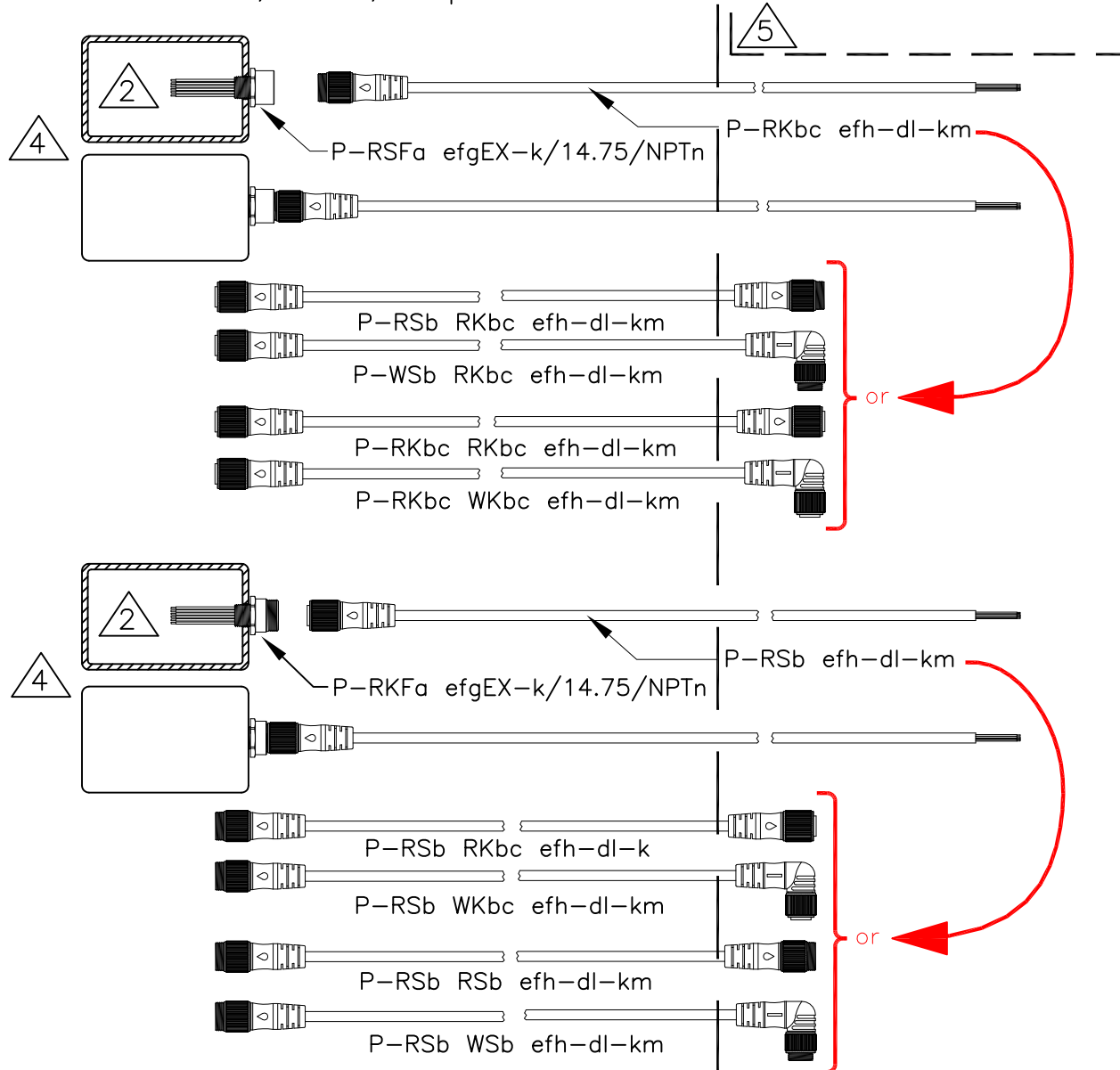
Explosionproof feed-thru receptacles with intrinsically safe circuits



APPROVED

Hazardous Location
Class I, Division 1, Group A, B, C, or D
Class I, Zone 1, Group IIC

Class I, Division 2, Group A, B, C, or D
Class I, Zone 2, Group IIC or
Nonhazardous Location



Notes:

- The installation must be in accordance with the National Electrical Code (NEC), ANSI/NFPA 70 and the control drawing of the FM approved equipment.
- FM approved explosionproof equipment with an FM approved intrinsically safe circuit.
- The P-RSFa-defEX-g/14.75/NPT or P-RKF a-defEX-g/14.75/NPT receptacle maintains the explosionproof protection of the FM approved equipment. The circuit must be intrinsically safe for the specific area classification.
- Nonintrinsically safe circuits must be installed using Class I, Division 1 wiring methods.
- The molded construction of the cordset and the gas/vaportight continuous sheath of the cable meet the requirements of the NEC for cable seals in Class I, Divisions 1 and 2. Thus, the cable may cross the boundary from Class I, Division 1 into Class I, Division 2 or a nonhazardous location, or may remain entirely within Class I, Division 1.
- Model number key:

a = V or blank	f = 0, 1, 2, 3, . . . , 99	m = /S1331, /S1599, /S679,
b = M or V	g = D or blank	/S771, /S1075, /S1057,
c = S or blank	h = H or blank	/S1126, /S3001, /S3034,
d = cable type (3- or 4-digit number)	k = cable or lead length in meters	or blank
e = 7, 8, 9, 10, or 12	l = XL or blank	n = /S1331, /S1599, or blank

F	Add Class II, Add RX/RV items, new Sheet 2	BVL	2/5/18	Drawing No.:	NI-2.407
Rev	Description	Drft	Date	Scale: NONE	Sheet 4 of 4