



ELECTRICAL EQUIPMENT FOR EXPLOSIVE ATMOSPHERES

1/ DUST HAZARDS (D): ZONES 20, 21 AND 22

INDUSTRIES AFFECTED:



INDUSTRIES AFFECTED	TYPES OF DUST	APPLICATIONS
1 – FOOD DUST		
Silos, flour milling, baking, agri-foods, etc.	Cereals, starch, sugar, flour, milk, chocolate, colorings, etc.	Storage, transportation (mechanical, on road vehicles), milling, crushing, filling, etc.
		
2 – PLANT DUST		
Wood, manufacture of furniture and corks. Wood silos, waste sorting, textiles, etc.	Wood, bark, cork, cotton, paper, etc.	Storage, transportation, processing
		
3 – METAL DUST		
Surface treatment, shot blasting, sandblasting, etc.	Aluminum, magnesium, ferro alloys, etc.	Processing
		
4 – DUST FROM INDUSTRIAL PROCESSING		
Processing of plastics, tires, paints, etc.	Plastics, powder coatings, fertilizers, rubber, elastomers, resins and synthetic adhesives, etc.	Storage, transportation, processing
		



2/ GAS HAZARDS (G): ZONES 0, 1 AND 2

INDUSTRIES AFFECTED:

INDUSTRIES AFFECTED	TYPE OF HAZARD / PRESENCE OF GAS	APPLICATIONS
Automotive, mechanical, boiler construction, plastic parts or parts with a plastic appearance	SOLVENT VAPORS (TYPE IIB) Liquid paint, varnish, bonding, stripping, etc.	Paint booths, processing.
		
Processing of aerosol dispensers	PROPELLANT GAS Lubricants, perfumes, paint, surface treatment, etc.	Filling processes
		
Automotive outsourcing, earthenware, glass, high-power heating (ovens), etc.	EMANATION AND GAS LEAKAGE Heating processes, hydrogen furnaces	Oven proximity, control unit, processing, etc
		
HANDLING AND STORAGE OF DANGEROUS PRODUCTS		
All-industry handling with forklift (warehouse storage)	Butane, propane, etc.	Battery charging area for trucks, storage areas, etc.
		
Petrochemicals, oil exploration, production, refining and storage	FOSSIL FUELS Oil, petrol, methane, etc.	Processing, storage, transportation, etc.
		

SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

LED LIGHTING



Gas area – G : zone 1 - Ex II 2 G
zone 2 - Ex II 3 G

Dust area – D : zone 21 - Ex II 2 D
zone 22 - Ex II 3 D

FELED SERIES (ZONES 1 & 2 – 21 & 22)



FELED SERIES NON-METALLIC LED LUMINAIRES – STANDARD		
LED LUMINAIRES Ex db eb mb IIC With Diffused lens	FOR UNAMORED CABLE M25 ENTRIES	FOR AMORED CABLE M20 ENTRIES
2850lm – 100/240 V – 50/60Hz	FELED3CBDSND	FELED3CBDSAD
3600lm – 100/240 V – 50/60Hz	FELED4CBDSND	FELED4CBDSAD
4650lm – 100/240 V – 50/60Hz	FELED5CBDSND	FELED5CBDSAD
7050lm – 100/240 V – 50/60Hz	FELED7CBDSND	FELED7CBDSAD
LED EMERGENCY LUMINAIRES – 3 HOURS EMERGENCY		
LED LUMINAIRES Ex db eb mb IIC With Diffused lens	FOR UNAMORED CABLE M25 ENTRIES	FOR AMORED CABLE M20 ENTRIES
4650lm – 100/240 V – 50/60Hz	FELED5CBDSNDE	FELED5CBDSADE

FDLED SERIES (ZONES 1 & 2 – 21 & 22)



LED LUMINAIRES Ex d With Diffused lens	CATALOG NUMBERS
400 lm – 6W - 230 V – 50 Hz – 2x M20 Cable Entries	FDLED04AD2
2400 lm – 23W - 110/254 V – 50/60 Hz – 2x M20 Cable Entries	FDLED25BU2
4725 lm – 46W - 110/254 V – 50/60 Hz – 2x M20 Cable Entries	FDLED50BU2

AMLGL AREAMASTER™ GENERATION 2 SERIES (ZONES 2 – 21 & 22)



LED FLOODLIGHTS Ex nA IIC	CATALOG NUMBERS
9900 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	AMLGL6CG6BU
15300 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	AMLGL7CG6BU
19900 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	AMLGL8CG6BU

MLEDNA MERCMaster™ SERIES (ZONES 2 – 21 & 22)

2 PART NUMBERS TO ORDER : BALLAST BODY + MOUNTING HOOD



BALLAST BODIES	CATALOG NUMBERS
2300 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	MLEDNA70P5BU
4850 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	MLEDNA15P5BU
6076 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	MLEDNA17P5BU
9455 lm – 120/277 V – 50/60 Hz – 1x M20 cable gland supplied	MLEDNA25P5BU
MOUNTING HOODS	CATALOG NUMBERS
Ceiling – M20 entries	KPCM20
Wall – M20 entries	KPWB20
25° Stanchion – NPT 1"1/2 hub	KPS150
90° Stanchion – NPT 1"1/2 hub	KPST150
3/4" Ring Bolt	Z00927

FE SERIES (ZONES 1 & 2 – 21 & 22)



FLUORESCENT LIGHTING CLASS Ex de	CATALOG NUMBERS (NON-AMORED CABLE) 1 M25 CABLE GLAND SUPPLIED	CATALOG NUMBERS (AMORED CABLE)
2 x 18W – 110/254 V – 50/60 Hz	FEB218BUSN	FEB218BUSA
2 x 36W – 110/254 V – 50/60 Hz	FEB236BUSN	FEB236BUSA
2 x 58W – 110/254 V – 50/60 Hz	FEB258BUSN	FEB258BUSA

Emergency available - please refer to the Appleton catalog ATX002 or EMERSON website (<https://www.emerson.com/en-us/automation/electrical-component-lighting>)



SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

LIGHTING

FN SERIES (ZONES 2 – 21 & 22)



FLUORESCENT LIGHTING CLASS Ex nR nA	CATALOG NUMBERS (NON-AMORED CABLE) 1 M25 CABLE GLAND SUPPLIED	CATALOG NUMBERS (AMORED CABLE)
2 x 18W – 220/240 V – 50/60 Hz	FNB218BKSNN	FNB218BKSAN
2 x 36W – 220/240 V – 50/60 Hz	FNB236BKSNN	FNB236BKSAN
2 x 58W – 220/240 V – 50/60 Hz	FNB258BKSNN	FNB258BKSAN

Emergency available - please refer to the Appleton catalog ATX002 or EMERSON website (<https://www.emerson.com/en-us/automation/electrical-component-lighting>)

FD SERIES (ZONES 1 & 2 – 21 & 22)



FLUORESCENT LIGHTING EXPLOSIONPROOF CLASS Ex d	CATALOG NUMBERS
2 x 18W – 230 V – 50 Hz – 2 M20 Cable Entries	FDB218BUM
2 x 36W – 230 V – 50 Hz – 2 M20 Cable Entries	FDB236BUM
2 x 58W – 230 V – 50 Hz – 2 M20 Cable Entries	FDB258BUM

Emergency available - please refer to the Appleton catalog ATX002 or EMERSON website (<https://www.emerson.com/en-us/automation/electrical-component-lighting>)

PB SERIES (ZONES 1 & 2 – 21 & 22)



FLOODLIGHTS EXPLOSIONPROOF CLASS Ex de IIB HIGH PRESSURE SODIUM SUPPLIED WITH HINGED BRACKET	CATALOG NUMBERS
150 W – 230/240 V – 50 Hz – 1 cable gland M20 supplied	PBAL15XJB
250 W – 230/240 V – 50 Hz – 1 cable gland M20 supplied	PBAL25XJB
400 W – 230/240 V – 50 Hz – 1 cable gland M20 supplied	PBAL40XJB

PN SERIES (ZONES 2 – 21 & 22)



FLOODLIGHT EXPLOSIONPROOF CLASS Ex nR HIGH PRESSURE SODIUM 2xM20 ENTRIES	CATALOG NUMBERS (GLASS DIFFUSER)	CATALOG NUMBERS (POLYCARBONATE DIFFUSER)
150 W – 230/240 V – 50 Hz	PNM1L15AGXJ	PNM1L15APXJ
250 W – 230/240 V – 50 Hz	PNM1L25AGXJ	PNM1L25APXJ
400 W – 230/240 V – 50 Hz	PNM1L40AGXJ	PNL1L40APXJ

HLD SERIES (ZONES 1 & 2 – 21 & 22)



PORTABLE LIGHTING Ex d IIC	CATALOG NUMBERS
75W maximum for incandescent lamp	HLD7502B
55W halogen 12 Vca/Vcc (lamp supplied)	HLD5501B
70W halogen 24 Vca/Vcc (lamp supplied)	HLD7002B

HBD SERIES (ZONES 1 & 2 – 21 & 22)



BULKHEAD Ex d IIC	CATALOG NUMBERS
Rond bulkhead - Incandescent 200W maximum , Compact fluorescent 23W or Mixed 160W maximum	HBDR
Oval bulkhead - Incandescent 100W or Compact fluorescent 15W Supplied with protective guard	HBDO

LDP SERIES (ZONES 1 & 2 – 21 & 22)



WELLGLASS Ex d IIC	CATALOG NUMBERS
E27 lampholder Incandescent 200W maximum , Compact fluorescent 23W, Mixed 160W maximum, Halogen 150W	LDPM20

DEMULED SERIES (ZONES 1 & 2 – 21 & 22)



LED ESCAPE LIGHTING SYSTEM Ex d IIC	CATALOG NUMBERS
45 lm – 120/277 V – 50/60 Hz – M20 – SATI Type	DEMULEDE042
45 lm – 120/277 V – 50/60 Hz – M20 – Addressable Type	DEMULEDE042A
Label – EMERGENCY EXIT	094916

SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

LIGHTING, PLUGS & SOCKETS



FDBAES SERIES (ZONES 1 & 2 – 21 & 22)



LED EMERGENCY LIGHTING SYSTEM Ex d IIC	CATALOG NUMBERS
55 lm – 230 V – 50/60 Hz – M20 – Escape Route Lighting	FDBAESLEDEM
540 lm – 230 V – 50/60 Hz – M20 – Space Lighting	FDBAESLEDSLIM
Label – EMERGENCY EXIT	094916

FNES SERIES (ZONES 2 – 21 & 22)



LED EMERGENCY LIGHTING SYSTEM Ex nA nR	CATALOG NUMBERS
55 lm – 230 V – 50/60 Hz – M20 – Escape Route Lighting	FNESLEDEU
540 lm – 230 V – 50/60 Hz – M20 – Space Lighting	FNESLEDSLIM
Label – EMERGENCY EXIT	094916

TCH SERIES (ZONES 1 & 2 – 21 & 22)



FLASHLIGHT	CATALOG NUMBERS
Halogen 2,8V – 0,5A	TCH12H
2 R20 or LR20 Batteries, Not Supplied	

UPR 16A & 32A SERIES (ZONES 1 & 2 – 21 & 22)



Ex de – 1 cable gland supplied	SOCKET CATALOG NUMBERS	PLUG CATALOG NUMBERS
2P+E - 16A - 100/130 V - 50/60 Hz	UPR316RY4	UPR316PY4
2P+E - 16A - 200/250 V - 50/60 Hz	UPR316RB6	UPR316PB6
3P+E - 16A - 380/415 V - 50/60 Hz	UPR416RR6	UPR416PR6
3P+N+E - 16A - 380/415 V - 50/60 Hz	UPR516RR6	UPR516PR6
3P+E - 32A - 380/415 V - 50/60 Hz	UPR432RR6	UPR432PR6
3P+N+E - 32A - 380/415V - 50/60 Hz	UPR532RR6	UPR532PR6

PRE 16A & 32A SERIES (ZONES 1 & 2 – 21 & 22)



Ex de – 1 cable gland supplied	SOCKET CATALOG NUMBERS	PLUG CATALOG NUMBERS
2P+E - 16A - 200/250 V - 50/60 Hz	PRE316RB	PRE316PB
2P+E - 16A - 200/250 V - 50/60 Hz	PRE316MB (Mobile socket)	PRE316PB
3P+E - 16A - 380/415 V - 50/60 Hz	PRE416RR	PRE416PR
3P+E - 32A - 380/415 V - 50/60 Hz	PRE432RR	PRE432PR

PRE 63A SERIES (ZONES 1 & 2 – 21 & 22)



Ex de – 1 cable gland supplied	SOCKET CATALOG NUMBERS	PLUG CATALOG NUMBERS
3P+E - 63A - 380/415 V - 50/60 Hz	PRE463RRU5	PRE463PR
3P+N+E - 63A - 380/415 V - 50/60 Hz	PRE563RRU5	PRE563PR
3P+E - 63A - 480/500 V - 50/60 Hz	PRE463RNU5	PRE463PN

PRE 125A SERIES (ZONES 1 & 2 – 21 & 22)



Ex de – 1 cable gland supplied	SOCKET CATALOG NUMBERS	PLUG CATALOG NUMBERS
3P+E - 125A - 380/415 V - 50/60 Hz	PRE412RRU6	PRE412PR
3P+N+E - 125A - 380/415 V - 50/60 Hz	PRE512RRU6	PRE512PR
3P+E - 125A - 480/500 V - 50/60 Hz	PRE412RNU6	PRE412PN

SWE SERIES (ZONES 1 & 2 – 21 & 22) - SWITCH Ex de IIC



Ex de 16A POLYAMIDE SWITCH (2 M20 CABLE GLANDS SUPPLIED)	CATALOG NUMBERS
2 Poles 16A, 2 M20 Cable Entries	SWE016S201AG
Change over, 2 M20 Cable Entries	SWE016C101AG



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SAFETY SWITCHES AND JUNCTION BOXES - EXPRESS DELIVERY SERVICE



Ex de 16A POLYESTER SWITCH (2 M20 CABLE GLANDS SUPPLIED)	CATALOG NUMBERS
2 poles 20A, 2 M20 Cable Entries	SWE020S202AG
3 poles 20A, 2 M20 Cable Entries	SWE020S301AG
4 poles 20A, 2 M20 Cable Entries	SWE020S401AG

SWD SERIES (ZONES 1 & 2 – 21 & 22) - SWITCH Ex d IIC



Ex d IIC 16A ALUMINIUM SWITCH	CATALOG NUMBERS
2 poles, 2 M20 Cable Entries	SWD016S200A
3 poles, 2 M20 Cable Entries	SWD016S300A
4 poles, 2 M20 Cable Entries	SWD016S400A
Change over, 2 M20 Cable Entries	SWD016C100A

JBDR SERIES (ZONES 1 & 2 – 21 & 22) - JUNCTION BOX IN ALUMINIUM Ex d IIC



JUNCTION BOX	CATALOG NUMBERS M20 ENTRIES		CATALOG NUMBERS M25 ENTRIES
2x entries	JBDR20		JBDR25
3x entries	JBDR30		JBDR35
4x entries	JBDR40		JBDR45
Pillar terminal block (4 terminals capacity 4 x 4 mm ² or 2 x 6 mm ²)	TBP44		TBP44

JBEL SERIES (ZONES 1 & 2 – 21 & 22) - JUNCTION BOX IN POLYCARBONATE Ex e IIC



JUNCTION BOX 2,5/4 mm ² – 660 V	CATALOG NUMBERS
4 x Integrated cable glands for unarmored cable - 8 to 16 mm	JBEL1N4P16G
4 x M20 entries with earth brass continuity device	JBEL1A4M20



JUNCTION BOX 6/10 mm ² – 690 V	CATALOG NUMBERS
3x M20 entries for unarmored cable with 3 cable glands	JBEL2N3M20G
4x M20 entries for unarmored cable, with 4 cable glands	JBEL2N4M20G
3x M25 entries for unarmored cable, with 3 cable glands	JBEL2N3M25G
4x M25 entries for unarmored cable, with 4 cable glands	JBEL2N4M25G
4x M20 entries with earth brass continuity, with 2x M20 plugs	JBEL2A4M20
4x M25 entries with earth brass continuity, with 2x M25 plugs	JBEL2A4M25

JBEP SERIES (ZONES 1 & 2 – 21 & 22) - JUNCTION BOX IN POLYESTER Ex eb IIC



JUNCTION BOX – 4 TERMINALS AND 2 EARTH TERMINALS 4MM ² CONFIGURATION: P + N (1PE + 2L + 2N + 1PE)	CATALOG NUMBERS
3x M20 with earth continuity sheet	JBEP080806AE03
3x M20 with cable glands for unarmored cable (diam. 6.5 to 14.5mm)	JBEP080806NE03
4x M20 with earth continuity sheet	JBEP080806AE05
4x M20 with cable glands for unarmored cable (diam. 6.5 to 14.5mm)	JBEP080806NE05



JUNCTION BOX – 4 TERMINALS AND 2 EARTH TERMINALS 4MM²
CONFIGURATION: P + N (1PE + 1 + 2 + 3 + 4 + 1PE)

CATALOG NUMBERS

2x M20 with earth continuity sheet  JBEP080806AE22

JUNCTION BOX – 6 SCREW TERMINALS AND 2 EARTH TERMINALS 4MM²
CONFIGURATION: P + N (1PE + 1 + 2 + 3 + 4 + 5 + 6 + 1PE)

CATALOG NUMBERS

4x M20 with earth continuity sheet  JBEP080806AE24

JUNCTION BOX – 6 SCREW TERMINALS AND 2 EARTH TERMINALS 4MM²
CONFIGURATION: TP (1PE + 2L1 + 2L2 + 2L3 + 1PE)

CATALOG NUMBERS

4 x M20 with earth continuity device  JBEP080806AE24

4 x M25 with cable glands for unarmored cable (diam. 8 to 17 mm)  JBEP080806AE24

4 x M20 with earth continuity device  JBEP080806AE24

4 x M25 with cable glands for unarmored cable (diam. 8 to 17 mm)  JBEP080806AE24

JUNCTION BOX – 4 SCREW TERMINALS AND 2 EARTH TERMINALS 6MM²
CONFIGURATION: P + N (1PE + 2L + 2N + 1PE)

CATALOG NUMBERS

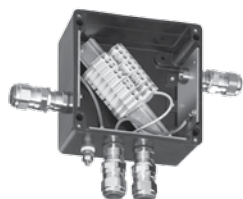
4x M20 with earth continuity device  JBEP121209AE45

4x M25 with cable glands for unarmored cable (diam 8 to 17mm)  JBEP121209NE46

4x M20 with earth continuity device  JBEP121209AE47

4x M25 with cable glands for unarmored cable (diam 8 to 17mm)  JBEP121209NE48

JBEP SERIES (ZONES 1 & 2 – 21 & 22) - JUNCTION BOX IN POLYESTER Ex eb IIC



JUNCTION BOX – 8 TERMINALS AND 3 EARTH TERMINALS 6MM²
CONFIGURATION: TP + N (2PE + 2L1 + 2L2 + 2L3 + 2N + 1PE)

CATALOG NUMBERS

4x M20 with earth continuity sheet  JBEP171709AE10

4x M25 with cable glands for unarmored cable (diam 8 to 17mm)  JBEP171709NE10

4x M20 with earth continuity sheet  JBEP171709AE11

4x M25 with cable glands for unarmored cable (diam 8 to 17mm)  JBEP171709NE11

JUNCTION BOX – 12 TERMINALS AND 3 EARTH TERMINALS 6MM²
CONFIGURATION: TP + N (2PE + 3L1 + 3L2 + 3L3 + 3N + 1PE)

CATALOG NUMBERS

6 x M20 with earth continuity device  JBEP202110AE12

6x M25 with cable glands for unarmored cable (diam 8 to 17mm)  JBEP202110NE12

JBES SERIES (ZONES 1 & 2 – 21 & 22) - PRE DRILLED JUNCTION BOX* IN 316L STAINLESS STEEL Ex eb IIC



JUNCTION BOX WITH HORIZONTAL DIN RAIL FOR USE WITH EX TERMINALS
(NOT SUPPLIED) AND M6 EARTH CONNECTOR

CATALOG NUMBERS

JBe10 - 4 x M20  JBES1212090D1

JBe20 - 4 x M20 and 1x M25  JBES1218090D2

JBe20 - 7 x M20 and 1x M25  JBES1218090D3



JUNCTION BOX EQUIPPED WITH 2.5MM² EX-E TERMINALS
INSULATED COPPER BAR CONNECTORS AND M8 EARTH CONNECTOR

CATALOG NUMBERS

JBe20 - 12 terminals (6 pairs) + 8 insulated connectors
180 x 120 x 95 - 3x M20 + 1x M25/1xM20 + 3x M20 JBES1812090F1

JBe36 - 20 terminals (10 pairs) + 12 insulated connectors
260 x 220 x 150 - 5x M20 + 1x M32/1xM20 + 5x M20 JBES2622150F2

JBe46 - 40 terminals (20 pairs) + 22 insulated connectors
370 x 220 x 200 - 10x M20 + 1x M40/1xM20 + 10x M20 JBES372220F3

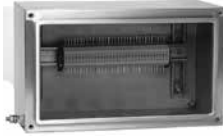
JBe47 - 60 terminals (30 pairs) + 32 insulated connectors
370 x 260 x 200 - 15x M20 + 1x M50/1xM20 + 15x M20 JBES3726200F4



SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

JUNCTION BOXES AND CONTROL STATIONS - EXPRESS DELIVERY SERVICE

JBES SERIES (ZONES 1 & 2 – 21 & 22) - PRE DRILLED JUNCTION BOX* IN 316L STAINLESS STEEL Ex eb IIC



JUNCTION BOX EQUIPPED WITH 2.5MM² EX–E TERMINALS CONTINUITY SHIELD AND M8 EARTH CONNECTOR

CATALOG NUMBERS

JBe36 - 14 terminals (7 pairs) + 7 shield connectors
260 x 220 x 150 - 5x M20 + 1x M32/1xM20 + 5x M20

JBES2226150F5

JBe36 - 20 terminals (10 pairs) + 12 shield connectors
260 x 220 x 150 - 5x M20 + 1x M32/1xM20 + 5x M20

JBES2226150F6

JBe46 - 40 terminals (20 pairs) + 22 shield connectors
370 x 220 x 200 - 10x M20 + 1x M40/1xM20 + 10x M20

JBES2237200F7

JBe46 - 40 terminals (20 pairs) + 22 shield connectors
370 x 220 x 200 - 10x M20 + 1x M40/1xM20 + 10x M20

JBES2237200F8

UNICODE 2 SERIES (ZONES 1 & 2 – 21 & 22) - CONTROL STATION Ex de IIC



CONTROL STATION – POLYAMIDE

CATALOG NUMBERS

Push Button "I" or "O" (NO+NC) – 2 x M20
Push Button "I" (NO) – 2 x M20

U41W2A3
U41W2A5

Push Button "O" (NO+NC) – 2 x M20

U41W2A3

Emergency Stop (NC) – 2 x M20
Emergency Stop (NO+NC) – 2 x M20

U41W2D9
U41W2D3

Emergency Stop with Key release (NC) – 2 x M20
Emergency Stop with Key release (NO+NC) – 2 x M20

U41W2C9
U41W2C3

Black Mushroom head (NC) – 2 x M20

U41W2B3

Red Mushroom head (NO+NC) – 2 x M20

U41W2R9

Key Push Button (NO+NC) – 2 x M20

U41W2E3

2-Position Selector Switch (NO+NC) – 2 x M20
3-Position Selector Switch 3 fixed position "I-O-II"
(2 NO) – 2 x M20

U41W2H3
U41W2J1

Pilot Light - red
Pilot Light - green
Pilot Light - blue
Pilot Light - yellow
Pilot Light - white

U41W2PR
U41W2PG
U41W2PB
U41W2PY
U41W2PW

Push Button "I" (NO) and Push Button "O" (NC) – 2 x M20
Push Button "I" (NO+NC) and Push Button "O" (NO+NC) – 2 x M20

U42W2A5A9
U42W2A3A3

Push Button "I" (NO) and Red Mushroom head (NC) - 2 x M20
Push Button "I" (NO+NC) and Red Mushroom head (NO+NC) - 2 x M20

U42W2A5D9
U42W2A3D3

For more individual configuration and detailed information please refer to the Appleton catalog ATX002 or EMERSON website
(<https://www.emerson.com/en-us/automation/electrical-component-lighting>)

UNICODE 2 SERIES (ZONES 1 & 2 – 21 & 22) - CONTROL STATION Ex de IIC



CONTROL STATION – POLYAMIDE	CATALOG NUMBERS
Pilot Light - green and Push Button “I” (NO) - 2 x M20	U42W2PGA5
Pilot Light - green and Push Button “I” (NO+NC) - 2 x M20	U42W2PGA3
Pilot Light - red and Push Button “O” (NC) - 2 x M20	U42W2PRA9
Pilot Light - red and Push Button “O” (NO+NC) - 2 x M20	U42W2PRA3
Ammeter 48 x 48 mm, 1A current transformer, Scale 0-1-3	U42W2VA13
Push Button “I” (NO), Push Button “O” (NC) and Red Mushroom head (NO+NC) - 2 x M20	U43W2A5A9D3
Push Button “I” (NO+NC), Push Button “O” (NO+NC) and Red Mushroom head (NO+NC) - 2 x M20	U43W2A3A3D3
Pilot Light - green, Push Button “I” (NO) and Push Button “O” (NC) - 2 x M20	U43W2PGA5A9
Pilot Light - green, Push Button “I” (NO+NC) and Push Button “O” (NO+NC) - 2 x M20	U43W2PGA3A3
Pilot Light - green, Push Button “I” (NO) and Push Button “O” (NC) - 2 x M20	U43W2PRA5A9
Pilot Light - green, Push Button “I” (NO+NC) and Push Button “O” (NO+NC) - 2 x M20	U43W2PRA3A3
Ammeter 48 x 48 mm, 1A current transformer, Scale 0-1-3, Push Button “I” (NO) and Push Button “O” (NC) - 2 x M20	U43W2VA13A5A9
Ammeter 48 x 48 mm, 1A current transformer, Scale 0-1-3 and 3-Position Selector Switch with spring return “I-O-II” (NO+NC) – 2 x M20	U43W2VA13M3
CONTROL STATION – POLYESTER	CATALOG NUMBERS
Push Button “I” or “O” (NO+NC) – 2 x M20	U21W2A3
Push Button “I” or “O” (NO+NC) – 2 x M25	U21W4A3
Push Button “I” (NO) – 2 x M20	U21W2A5
Push Button “I” (NO) – 2 x M25	U21W4A5
Push Button “O” (NC) – 2 x M20	U21W2A9
Push Button “O” (NC) – 2 x M25	U21W4A9
Push Button “I” (NO+NC) and Push Button “O” (NO+NC) – 2 x M20	U21W2A5A9
Push Button “I” (NO+NC) and Push Button “O” (NO+NC) – 2 x M25	U21W4A5A9
Push Button “I” (NO+NC) and Push Button “O” (NO+NC) – 2 x M20	U21W2A3A3
Push Button “I” (NO+NC) and Push Button “O” (NO+NC) – 2 x M25	U21W4A3A3
Emergency Stop (NC) – 2 x M20	U21W2D9
Emergency Stop (NC) – 2 x M25	U21W4D9
Emergency Stop (NO+NC) – 2 x M20	U21W2D3
Emergency Stop (NO+NC) – 2 x M25	U21W4D3
Emergency Stop with Key release (NC) – 2 x M20	U21W2C9
Emergency Stop with Key release (NC) – 2 x M25	U21W4C9
Emergency Stop with Key release (NO+NC) – 2 x M20	U21W2C3
Emergency Stop with Key release (NO+NC) – 2 x M25	U21W4C3



SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

CONTROL STATIONS - EXPRESS DELIVERY SERVICE

UNICODE 2 SERIES (ZONES 1 & 2 – 21 & 22) - CONTROL STATION Ex de IIC

	CONTROL STATION – POLYESTER	CATALOG NUMBERS
   	Emergency Stop (NC) and Push Button "I" (NO) - 2 x M20 Emergency Stop (NC) and Push Button "I" (NO) - 2 x M25	U21W2D9A5 U21W4D9A5
	Black Mushroom head (NO+NC) – 2 x M20 Black Mushroom head (NO+NC) – 2 x M25	U21W2B3 U21W4B3
	Red Mushroom head (NC) – 2 x M20 Red Mushroom head (NC) – 2 x M25	U21W2R9 U21W4R9
	Key Push Button removable in both position (NO+NC) - 2 x M20 Key Push Button removable in both position (NO+NC) - 2 x M25 Key Push Button removable in both position (NO) - 2 x M20 Key Push Button removable in both position (NO) - 2 x M25 Key Push Button removable in both position (NC) - 2 x M20 Key Push Button removable in both position (NC) - 2 x M25	U21W2E3 U21W4E3 U21W2E5 U21W4E5 U21W2E9 U21W4E9
	Pilot Light - green and Pilot Light - red- 2 x M20 Pilot Light - green and Pilot Light - red- 2 x M25	U21W2PGPR U21W4PGPR
	Green illuminated push button (NO) - 2 x M20 Green illuminated push button (NO) - 2 x M25	U21W2LG5 U21W4LG5
	Red illuminated push button (NO) - 2 x M20 Red illuminated push button (NO) - 2 x M25	U21W2LR9 U21W4LR9
	Green illuminated push button (NO) and Red illuminated push button (NO) - 2 x M20 Green illuminated push button (NO) and Red illuminated push button (NO) - 2 x M20	U21W2LG5LG9 U21W2LG5LG9
	2-Position Selector Switch (NO+NC) - 2 x M20 2-Position Selector Switch (NO+NC) - 2 x M25	U21W2H3 U21W4H3
	3-Position Selector Switch "I-0-II" fixed position (2 NO) - 2 x M20 3-Position Selector Switch "I-0-II" fixed position (2 NO) - 2 x M25 3-Position Selector Switch "I-0-II" spring return "I-0" (NO + NC) - 2 x M20 3-Position Selector Switch "I-0-II" spring return "I-0" (NO + NC) - 2 x M25 3-Position Selector Switch "I-0-II" spring return "II-0" (NO + NC) - 2 x M20 3-Position Selector Switch "I-0-II" spring return "II-0" (NO + NC) - 2 x M25	U21W2J1 U21W4J1 U21W2N3 U21W4N3 U21W2M3 U21W4M3
  	Push Button "I" (NO) and Push Button "O" (NO) – 2 x M20 Push Button "I" (NO) and Push Button "O" (NO) – 2 x M25 Push Button "I" (NO+NC) and Push Button "O" (NO+NC) – 2 x M20 Push Button "I" (NO+NC) and Push Button "O" (NO+NC) – 2 x M25	U22W2A5A9 U22W4A5A9 U22W2A5A3 U22W4A5A3
	Push Button "I" (NO) and Red Mushroom head (NC) - 2 x M20 Push Button "I" (NO) and Red Mushroom head (NC) - 2 x M25 Push Button "I" (NO+NC) and Red Mushroom head (NO+NC) - 2 x M20 Push Button "I" (NO+NC) and Red Mushroom head (NO+NC) - 2 x M25	U22W2A5D9 U22W4A5D9 U22W2A5D3 U22W4A5D3
	Push Button "I" (NO), Push Button "O" (NC) and Red Mushroom head (NC) - 2 x M20 Push Button "I" (NO), Push Button "O" (NC) and Red Mushroom head (NC) - 2 x M25	U22W2A5A9D9 U22W2A5A9D9

For more individual configuration and detailed information please refer to the Appleton catalog ATX002 or EMERSON website (<https://www.emerson.com/en-us/automation/electrical-component-lighting>)

UNICODE 2 SERIES (ZONES 1 & 2 – 21 & 22) - CONTROL STATION Ex de IIC



CONTROL STATION – POLYESTER

CATALOG NUMBERS

Pilot Light - green and Push Button "I" (NO) - 2 x M20
Pilot Light - green and Push Button "I" (NO) - 2 x M25
Pilot Light - green and Push Button "I" (NO+NC) - 2 x M20
Pilot Light - green and Push Button "I" (NO+NC) - 2 x M25

U22W2PGA5
U22W4PGA5
U22W2PGA3
U22W4PGA3

Pilot Light - red and Push Button "O" (NC) - 2 x M20
Pilot Light - red and Push Button "O" (NC) - 2 x M25
Pilot Light - red and Push Button "O" (NO+NC) - 2 x M20
Pilot Light - red and Push Button "O" (NO+NC) - 2 x M25

U22W2PRA9
U22W4PRA9
U22W2PRA3
U22W4PRA3

Pilot Light - green, Push Button "I" (NO) and Push Button "O" (NC)
- 2 x M20
Pilot Light - green, Push Button "I" (NO) and Push Button "O" (NC)
- 2 x M25

U22W2PGA5A9
U22W4PGA5A9

Pilot Light - green, Pilot Light - red, Push Button "I" (NO) and Push Button
"O" (NC) - 2 x M20
Pilot Light - green, Pilot Light - red, Push Button "I" (NO) and Push Button
"O" (NC) - 2 x M25

U22W2PGPRA5A9
U22W2PGPRA5A9

Ammeter 48 x 48 mm, 1A current transformer, Scale 0-1-3 and 3-Position
Selector Switch with spring return "II-0" (NO+NC) - 2 x M20
Ammeter 48 x 48 mm, 1A current transformer, Scale 0-1-3 and 3-Position
Selector Switch with spring return "II-0" (NO+NC) - 2 x M25

U22W2VA13M3
U22W4VA13M3

Push Button "I" (NO), Push Button "O" (NC) and Red Mushroom head (NC)
- 2 x M20
Push Button "I" (NO), Push Button "O" (NC) and Red Mushroom head (NC)
- 2 x M25

U23W2A5A9D3
U23W4A5A9D3

Pilot Light - green, Push Button "I" (NO) and Push Button "O" (NC)
- 2 x M20
Pilot Light - green, Push Button "I" (NO) and Push Button "O" (NC)
- 2 x M25
Pilot Light - green, Push Button "I" (NO+NC) and Push Button "O"
(NO+NC) - 2 x M20
Pilot Light - green, Push Button "I" (NO+NC) and Push Button "O"
(NO+NC) - 2 x M25

U23W2PGA5A9
U23W4PGA5A9
U23W2PGA3A3
U23W4PGA3A3

Pilot Light - red, Push Button "I" (NO) and Push Button "O" (NC)
- 2 x M20
Pilot Light - red, Push Button "I" (NO) and Push Button "O" (NC)
- 2 x M25
Pilot Light - red, Push Button "I" (NO+NC) and Push Button "O" (NO+NC)
- 2 x M20
Pilot Light - red, Push Button "I" (NO+NC) and Push Button "O" (NO+NC)
- 2 x M25

U23W2PRA5A9
U23W4PRA5A9
U23W2PRA3A3
U23W4PRA3A3

Pilot Light - green, Pilot Light - red, Red Mushroom head (NC) and Push
Button "I" (NO) - 2 x M20
Pilot Light - green, Pilot Light - red, Red Mushroom head (NC) and Push
Button "I" (NO) - 2 x M25

U23W2PGPRD9A5
U23W4PGPRD9A5

CONTROL STATION – STAINLESS STEEL

CATALOG NUMBERS

Push Button "I" (NO+NC) - 2 x M20

U61W2A3

Push Button "I" (NO) and Push Button "O" (NC) - 2 x M20

U61W2A5A9

Emergency Stop (NC) - 2 x M20
Emergency Stop (NO+NC) - 2 x M20

U61W2D9
U61W2D3



SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

JUNCTION BOXES - EXPRESS DELIVERY SERVICE

UNICODE 2 SERIES (ZONES 1 & 2 – 21 & 22) - CONTROL STATION Ex de IIC



CONTROL STATION – STAINLESS STEEL

CATALOG NUMBERS

Emergency Stop with Key release (NC) – 2 x M20

U61W2C9

Black Mushroom head (NO+NC) – 2 x M20

U61W2B3

Red Mushroom head (NC) – 2 x M20

U61W2R9

Key Push Button removable in both position (NO+NC) - 2 x M20

U61W2E3

Pilot Light - red- 2 x M20
Pilot Light - green- 2 x M20
Pilot Light - blue- 2 x M20
Pilot Light - yellow- 2 x M20
Pilot Light - white - 2 x M20

U61W2PR
U61W2PG
U61W2PB
U61W2PY
U61W2PW

2-Position Selector Switch (NO+NC) - 2 x M20

U61W2H3

3-Position Selector Switch “I-0-II” fixed position (2 NO) - 2 x M20
3-Position Selector Switch “I-0-II” spring return “I-0” (NO + NC)
- 2 x M20
3-Position Selector Switch “I-0-II” spring return “II-0” (NO + NC)
- 2 x M20

U61W2J1
U61W2N3
U61W2M3

Push Button “I” (NO) and Push Button “O” (NO) – 2 x M20

U62W2A5A9

Push Button “I” (NO) and Red Mushroom head (NC) - 2 x M20

U62W2A5D9

Pilot Light - green and Push Button “I” (NO) - 2 x M20

U62W2PGA5

Pilot Light - red and Push Button “O” (NC) - 2 x M20

U22W2PRA9

Ammeter 48 x 48 mm, 1A current transformer, Scale 0-1-3 and 3-Position
Selector Switch with spring return “II-0” (NO+NC) – 2 x M20

U62W2VA13M3

Push Button “I” (NO), Push Button “O” (NC) and Red Mushroom head
(NO+NC) - 2 x M20

U62W2A5A9D3

For more individual configuration and detailed information please refer to the Appleton catalog ATX002 or EMERSON website
(<https://www.emerson.com/en-us/automation/electrical-component-lighting>)

UNICODE 2 SERIES (ZONES 1 & 2 – 21 & 22) - CONTROL STATION Ex de IIC



CONTROL STATION – STAINLESS STEEL	CATALOG NUMBERS
Pilot Light - green, Push Button “I” (NO) and Push Button “O” (NC) - 2 x M20	U62W2PGA5A9
Pilot Light - green, Push Button “I” (NO+NC) and Push Button “O” (NO+NC) - 2 x M20	U62W4PGA3A3
Pilot Light - red, Push Button “I” (NO) and Push Button “O” (NC) - 2 x M20	U62W2PRA5A9
Pilot Light - red, Push Button “I” (NO+NC) and Push Button “O” (NO+NC) - 2 x M20	U62W2PRA3A3
Pilot Light - green, Pilot Light - red, Push Button “I” (NO) and Push Button “O” (NC) - 2 x M20	U63W2PGPRA5A9
Pilot Light - green, Pilot Light - red, Push Button “I” (NO) and Push Button “O” (NC) - 2 x M25	U63W4PGPRA5A9

EXe SERIES (ZONES 1 & 2 – 21 & 22)



EX-E CABLE GLAND (POLYAMIDE)	CATALOG NUMBERS
M16	095756
M20	095605
M25	095606
M32	095757
M40	095758
IP68 WEATHERPROOF CABLE GLAND (POLYAMIDE)	CATALOG NUMBERS
M16	095800
M20	095801
M25	095802
M32	095803
M40	095804

A2F SERIES (NON-AMORED CABLE) (ZONES 1 & 2 – 21 & 22)



CABLE GLAND (NICKEL PLATED BRASS)	CATALOG NUMBERS
M20S	20SA2F5
M20	20A2F5
M25	25A2F5
M32	32A2F5
M40	40A2F5

E1FX SERIES (AMORED CABLE) (ZONES 1 & 2 – 21 & 22)



CABLE GLAND (NICKEL PLATED BRASS)	CATALOG NUMBERS
M20S	20SE1FX5
M20	20E1FX5
M25	25E1FX5
M32	32E1FX5
M40	40E1FX5



SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

CABLE GLANDS

T3 SERIES (AMORED CABLE) (ZONES 1 & 2 – 21 & 22)



CABLE GLAND (NICKEL PLATED BRASS)	CATALOG NUMBERS
M20S	20ST35
M20	20T35
M25	25T35
M32	32T35
M40	40T35

BVE SERIES EX-E BLANKING PLUGS (ZONES 1 & 2 – 21 & 22)



BLANKING PLUG (POLYAMIDE)	CATALOG NUMBERS
M20	095714
M25	095715
M32	095486
M40	095487

757 SERIES EX-D BLANKING PLUGS (ZONES 1 & 2 – 21 & 22)



BLANKING PLUG (NICKLE PLATED BRASS)	CATALOG NUMBERS
M20	757DM25
M25	757DM35
M32	757DM45
M40	757DM55

737 SERIES REDUCERS (ZONES 1 & 2 – 21 & 22)



REDUCER (NICKEL PLATED BRASS)		CATALOG NUMBERS
MALE	FEMALE	
M25	M20	737DM3M25
M32	M20	737DM4M25
M32	M25	737DM4M35
M40	M25	737DM5M35
M40	M32	737DM5M45

* cable Glands not included and need to be ordered separately

For more individual configuration and detailed information please refer to the Appleton catalog ATX002 or EMERSON website (<https://www.emerson.com/en-us/automation/electrical-component-lighting>)

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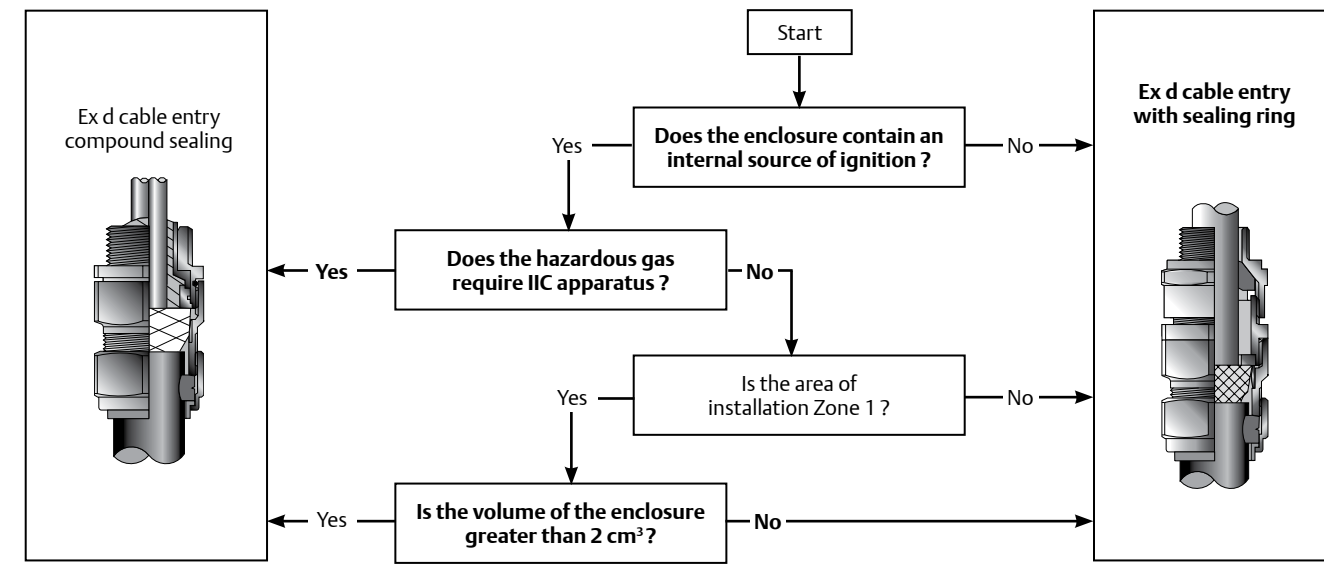


SELECTION CHART - CERTIFICATIONS

Type		Series	Material	Non-Armored Cables	Armored Cables		
					Wire	Braid	Tape
Neoprene Seal	"e" or "i"	Ex e	Polyamide	Yes			
Elastomer Seal	"d" and "e"	A2F	Brass, fully nickel plated / Stainless Steel	Yes			
		E1FX	Brass, fully nickel plated			Yes	Yes
		E1FW	Brass, fully nickel plated		Yes		
		E1FU	Brass, fully nickel plated		Yes	Yes	Yes
		T3	Brass, fully nickel plated		Yes	Yes	Yes
		TE1FU	Stainless Steel		Yes	Yes	Yes
Compound Seal	"d" and "e"	PX (PXSS2K)	Brass, fully nickel plated	Yes			
		PX2K	Brass, fully nickel plated		Yes	Yes	Yes
Liquid resin	"d" and "e"	PXSS2K-REX	Brass, fully nickel plated	Yes			
		PX2K-REX	Brass, fully nickel plated		Yes	Yes	Yes

SELECTION GUIDE

Selection of cable entry for Ex d flameproof enclosure.



Note: Cable must be substantially compact and circular with an extruding bedding, and if any filters are used they are Non-Hygroscopic.



SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

MADE TO ORDER EQUIPMENT

(ZONES 1 & 2 – 21 & 22)



Stainless Steel Junction Box 10 kV Ex e



Instrumentation Junction box Ex ia



Ex d Panelboard with 8 Branch Circuit Breakers Coupled with Ex e Polyester Junction Box



Ex d Control Panel



NEW

Distribution Panelboard Ex de - PlexPower™
in Glass Reinforced Polyester IIB+H2 or IIC



NEW

Distribution Panelboard Ex de - PlexPower™
in Stainless Steel IIB+H2 or IIC

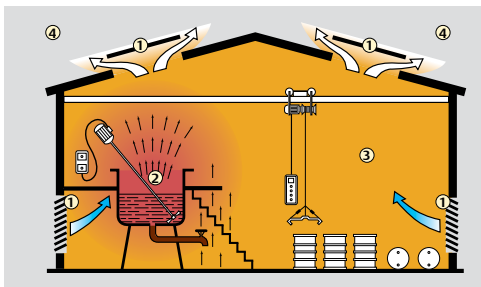


Ex de Switchrack



ILLUSTRATION OF GAS AND VAPOR ENVIRONMENTS

ZONE 0	ZONE 1	ZONE 2	SAFE ZONE
--------	--------	--------	-----------

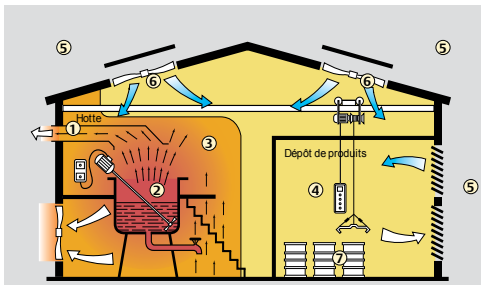


Example 1

Conditions :

Manual ventilation

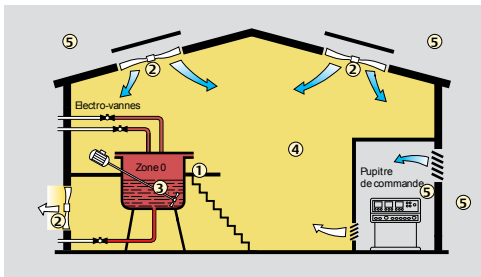
- ① Zone 0
- ② Zone 1
- ③ Safe zone
- ④ The mixing tank is in the open air
- The room is not ventilated mechanically
- The products are always present in the workshop



Example 2

Conditions :

- ① A hood has been fitted above the tank
- ② Zone 0
- ③ Zone 1
- ④ Zone 2
- ⑤ Safe zone
- ⑥ Mechanical ventilation
- ⑦ The products in stock are separated from the rest of the workshop



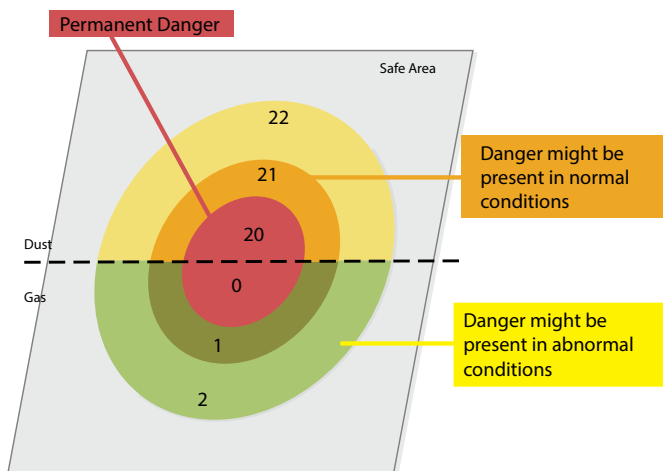
Example 3

Conditions :

- ① The tank is closed-off
- ② Mechanical ventilation
- ③ Zone 0
- ④ Zone 2
- ⑤ Safe zone
- The products are stored outside. All operations are controlled via a console outside the zone.

ZONE CLASSIFICATION

Zone classification is based on the presence frequency of the hazardous atmosphere :



ZONE 0 (gas) / 20 (dust)

A place in which an explosive atmosphere either [consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist] or [in the form of a cloud of dust in air] is present continuously or for long periods or frequently.

ZONE 1 (gas) / 21 (dust)

A place in which an explosive atmosphere either [consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist] or [in the form of a cloud of dust in air] is likely to occur in normal operation occasionally.

ZONE 2 (gas) / 22 (dust)

A place in which an explosive atmosphere either [consisting of a mixture with air of dangerous substances in the form of gas, vapour or mist] or [in the form of a cloud of dust in air] is not likely to occur in normal operation but, if it does occur, will persist for a short period only.



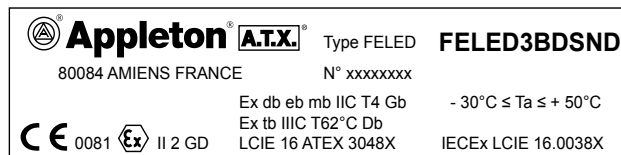
SELECT YOUR APPLETON ATX PRODUCTS FOR GAS AND DUST APPLICATIONS

ATEX GUIDE

GAS & DUST GROUPS		TEMPERATURE CLASS	
Gas group	Examples	Marking	Surface Temperature
IIA	Methane, Ethane, Propane, Butane ...	T1	450°C
IIB	Ethylene, Monoxyde de carbone, H ₂ S, Ethanol ...	T2	300°C
IIC	Acetylene, Carbone disulphide, Hydrogen, Ethyl nitrate	T3	200°C
Dust group	Examples	T4	135°C
IIIA	Combustible flyings (ex: fibers)	T5	100°C
IIIB	Non-conductive dust	T6	85°C
IIIC	Conductive dust		

MODES OF PROTECTION GAS (EXAMPLES)				MODES OF PROTECTION DUST (EXAMPLES)			
Cat /EPL	Symbol	Standard	Protection mode	Cat /EPL	Symbol	Standard	Protection mode
1G / Ga	ia	EN 60079-11:2012	Intrinsic safety	1D / Da	ia	EN 60079-11:2012	Intrinsic safety
	ma	EN 60079-18:2015	Encapsulation		ma	EN 60079-18:2015	Encapsulation
2G / Gb	db	EN 60079-1:2014	Flameproof enclosure		ta	EN 60079-31:2014	Protection by enclosure
	eb	EN 60079-7:2015	Increased safety	2D / Db	ib	EN 60079-11:2012	Intrinsic safety
	ib	EN 60079-11:2012	Intrinsic safety		mb	EN 60079-18:2015	Encapsulation
	mb	EN 60079-18:2015	Encapsulation		tb	EN 60079-31:2014	Protection by enclosure
	pxb, pyb	EN 60079-2:2014	Pressurized enclosure		pxb, pyb	EN 60079-2:2014	Pressurized enclosure
3G / Gc	nAc	EN 60079-15:2010	Non sparking equipment	3D / Dc	ic	EN 60079-11:2012	Intrinsic safety
	nRc	EN 60079-15:2010	Restricted breathing		mc	EN 60079-18:2015	Encapsulation
	mc	EN 60079-18:2015	Encapsulation		tc	EN 60079-31:2014	Protection by enclosure
	pzc	EN 60079-2:2014	Pressurized enclosure		pzc	EN 60079-2:2014	Pressurized enclosure

UNDERSTANDING ATEX & IECEX MARKINGS



According ATEX Directive :

CE	0081	Ex	II	2	GD
CE marking	Identification number of the Notified Body involved in the Production Control Phase	Specific Marking of Explosion Protection	Equipment group (II = surface industry)	Equipment category (2 = for zones 1 or 21)	Type of explosive atmosphere: G = Gas D = Dust

According EN 60079-0 standard (Explosive Atmospheres-Equipment-General Requirements) and EN 60079-1/2... standards (Modes of protection standards) :

a) Gas :

Ex	db eb mb	IIC	T4	Gb
This symbol indicates that the electrical equipment corresponds to one or more of the types of protection which are the subject of specific standards	Modes of protection used	Gas subdivision	Temperature class	Equipment Protection Level (EPL) Ga for zone 0 Gb for zone 1 Gc for zone 2

b) Dust :

Ex	tb	IIIC	T62°C	Db
This symbol indicates that the electrical equipment corresponds to one or more of the types of protection which are the subject of specific standards	Mode of protection used	Dust subdivision	Surface Temperature	Equipment Protection Level (EPL) Da for zone 20 Db for zone 21 Dc for zone 22

Emerson brings integrated manufacturing solutions to diverse industries worldwide. Our comprehensive product line, extensive experience, world-class engineering and global presence enable us to implement solutions that give our customers the competitive edge. Appleton is our premium line of lighting and electrical products for hazardous and industrial locations.

For over 150 years, our electrical product brands have been providing a rich tradition of long-term, practical, high quality solutions with applications ranging from the construction and safe operation of petrochemical and process plants to providing quality power that precisely controls automotive robotic production.

Engineers, distributors, contractors, electricians and site maintenance professionals around the world trust Emerson brands to make electrical installations safer, more productive and more reliable.

The Appleton Group business unit of Emerson is organized into three focused groups that provide distributors and end users expert knowledge and excellent service.

Electrical Construction Materials

This group is made up of the Appleton and O-Z/Gedney brands. They manufacture a broad range of electrical products including conduit and cable fittings, plugs and receptacles, enclosures and controls, conduit bodies and industrial and hazardous lighting. Whether the application is hazardous location, industrial or commercial, the electrical construction materials group has the products to meet your needs.

Power Quality Solutions

The SolaHD brand offers the broadest power quality line, including uninterruptible power supplies, power conditioners, voltage regulators, shielded transformers, surge protection devices and power supplies.

Heating Cable Systems

This group is made up of the EasyHeat and Nelson brands. They offer a broad range of electrical heating cable products for residential, commercial and industrial applications.

ATX S.A.S. / Appleton Group

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