



ATEX DIRECTIVES



Fluorescent
Light Fitting

Warning
Light Fitting

Incandescent, Blended &
High Pressure Discharge
Lamp Light Fitting

Floodlight
Projector



Ex 'd' IIC Motor Control Station

Ex 'd' IIB Motor Control Station

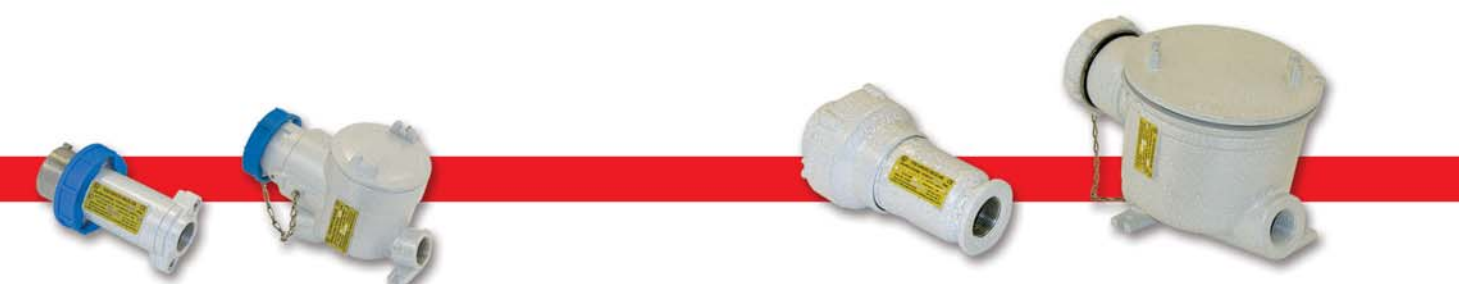


Ex 'd' IIC
Pulling Boxes

Ex 'e' II
Increased Safety
Junction Boxes

Ex 'd' IIC
Junction Boxes

Ex 'd' IIB
Junction Boxes



Ex 'd' IIC
Socket Outlet, 16 & 25 A

Ex 'd' IIC
Socket Outlet, 32 & 63 A



Ex 'd' IIC & Ex 'e' II
Cable Glands

Ex 'd' IIC & Ex 'e' II
Cable Glands Accessories

Cable Glands
Accessories



Ex 'd' IIC
Three Pieces Unions

Ex 'd' IIC
Elbows

Ex 'd' IIC
Horizontal
Sealing Fitting

Ex 'd' IIC
Vertical
Sealing Fitting

IP - Ingress Protection (EN 60529)

IPXX		IPXX	
First digit: Protection against ingress of solids		Second digit: Protection against ingress of liquids	
0	Non protected.	0	Non protected.
1	Protected against solid objects greater than 50 mm in diameter or thickness such as a hand.	1	Protected against vertically falling drops of water.
2	Protected against solid objects greater than 12 mm in diameter or thickness such as fingers or other objects.	2	Protected against direct spray of water up to 15 degrees from vertical.
3	The access probe of 2.5 mm Ø shall not penetrate.	3	Protected against direct spray of water up to 60 degrees from vertical.
4	The access probe of 1.0 mm Ø shall not penetrate.	4	Protected against water sprayed from all directions.
5	Limited ingress of dust permitted.	5	Protected against low-pressure jets of water from all directions.
6	Totally protect against ingress of dust.	6	Protected against strong jets of water from all directions.
		7	Protected against the effect of "temporary" immersion between 15 cm. and 1 m.
		8	Protected against long period of immersion under pressure.

Temperature class

Maximum surface temperature for Group II electrical apparatus

Temperature class	Maximum surface temperature of apparatus in °C	Ignition temperature of the flammable substance in °C
T1	450	> 450
T2	300	> 300 ≤ 450
T3	200	> 200 ≤ 300
T4	135	> 135 ≤ 200
T5	100	> 100 ≤ 85
T6	85	> 85 ≤ 100

* Unless otherwise stated ambient temperature is assumed between -20 °C to +40 °C.

For temperature outside this range temperature class must be corrected accordingly.

Gas Groups

Gas Group	Representative Test Gas
I	Methane (mining only)
IIA	Propane
IIB	Ethylene
IIC	Hydrogen

Dust Groups

Dust Group	
IIIA	Combustible flyings
IIIB	Non-conductive dust
IIIC	Conductive dust

EU Explosive Atmosphere Symbol

ATEX Certification No.

Equipment Protection Level

Temperature Class

Gas Group

Equipment Group

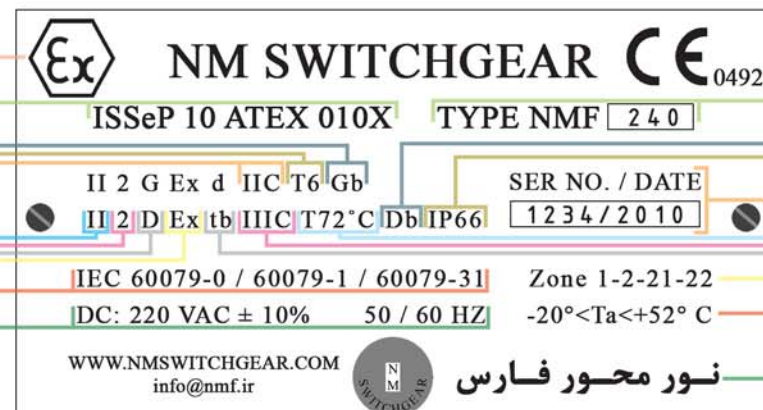
Equipment Category

Equipment Protection Levels

Explosion Protected Marking

Compliance With IEC Standards

Electrical Parameters



ATEX Notified Body Identification No.

Type Designation

Equipment Protection Levels

Ingress Protection

Serial No. & Year of Manufacture

Maximum External Surface Temperature

Dust Group

Protection Concept

Temperature Class

Electrical Protection Concept

Manufacturer's Name & Address

ATEX Coding

EU Explosive Atmosphere Symbol			
Equipment Group		Equipment Category	Protection Levels
I - Mining	1- Very high Protection	2	Gas 0
			Dust 20
II - Non-mining	2- High Protection	1	Gas 1
			Dust 21
	3- Normal protection	0	Gas 2
			Dust 22

NM SWITCHGEAR
Explosion Proof Electrical Supplies



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