

ATEX

Industrial plugs and sockets

Explosion proof



From great to EXplosive
We are strengthening the great range of industrial plugs and sockets from ABB with explosion proof IP&S products.

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ATEX =
"ATmosphere EXplosive"
Gas explosion protection:
II 2 G Ex de IIC T6 Gb

ABBs range of industrial plugs and sockets covers most applications, with our Tough & Safe and heavy duty mechanical interlocks we have products for most harsh environments with chemicals, UV or mechanical wear. However, up until now we have not been able to offer ATEX approved explosion proof products. Now through this cooperation we will fill this gap and further strengthen our offering.

What is ATEX ?

ATEX is a European Directive (94/9/EC) valid for products to be used within an explosive atmosphere. The ATEX directive has been in force throughout the European Union since 1 July 2003, replacing the existing different national and European legislation relating to explosive atmospheres.

Why ATEX ?

An ambience with the potential to become an explosive atmosphere during operating conditions and/or under the influence of the environment is defined as a potentially explosive atmosphere. Products covered by directive 94/9/EC are defined as intended for use in potentially explosive atmospheres.

Directive 94/9/EC defines an explosive atmosphere as a mixture of:

- flammable substances gases, vapors, mists or dusts
- with air
- under specific atmospheric conditions
- in which, after ignition has occurred, combusti

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Ordering detail

Application range (Zone): 1, 2, 21, 22



Terminals/ Poles	Voltage V	Frequency Hz	Type	Order code	Pack qty
Mechanical interlocked socket 16 A, IP 66. Dust explosion protection: II 2 D Ex tD A21 80°C Db					
2P+E	200-250	50 and 60	216MVS6XW	2CMA101687R1000	1
3P+N+E	346-415	50 and 60	416MVS6XW	2CMA101688R1000	1
Mechanical interlocked socket 32 A, IP 66. Dust explosion protection: II 2 D Ex tD A21 75°C					
3P+N+E	346-415	50 and 60	432MVS6XW	2CMA101689R1000	1
Mechanical interlocked socket 63 A, IP 66. Dust explosion protection: II 2 D Ex tD A21 60°C					
3P+N+E	346-415	50 and 60	463MVS6XW	2CMA101690R1000	1
Mechanical interlocked socket 125 A. Dust explosion protection: II 2 D Ex tD A21 65°C Db					
3P+N+E	346-415	50 and 60	4125MVS6XW	2CMA101691R1000	1
Terminals/ Poles	Voltage V	Frequency Hz	Type	Order code	Pack qty
Plug 16 A, IP 66. Dust explosion protection: II 2 Ex tD A21 80°C Db					
2P+E	200-250	50 and 60	216P6XW	2CMA101692R1000	1
3P+N+E	346-415	50 and 60	416P6XW	2CMA101693R1000	1
Plug 32 A, IP 66. Dust explosion protection: II 2 D Ex tD A21 75°C					
3P+N+E	346-415	50 and 60	432P6XW	2CMA101694R1000	1
Plug 63 A, IP 66. Dust explosion protection; II 2 D Ex tD A21 60°C					
3P+N+E	346-415	50 and 60	463P6XW	2CMA101695R1000	1
Plug 125 A, IP 66. Dust explosion protection; II 2 D Ex tD A21 80°C					
3P+N+E	346-415	50 and 60	4125P6XW	2CMA101696R1000	1

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