

# Amphenol®



## EX309

Amphenol Industrial Products Group introduces the EX309 connector series designed to perform in potentially hazardous areas identified as Zone 1 / 2 / 21 (ATEX) 16ATEX0009X / IECEx16.0018X.

EX309 is rated to IP66 and made of fire resistant glass-fiber reinforced polyester (Low Smoke Zero Halogen). This series is available in amperage ratings of 16A, 32A, 63A and 125A, with a voltage rating of 690V. Operating temperature range for the product is -50°C to +60°C.

The wall mounted receptacle has a switched interlock enabling it to be unmated when it is OFF.

The EX309 male plug can be mated to standard IEC60309 receptacles in safe areas. Standard plugs do not mate to EX309 Switched Interlock Receptacles.

### Technical Specifications

Rated Current:	16A - 32A - 63A - 125A
Rated Voltage:	100 ÷ 690V~
Frequency:	50 ÷ 60Hz
Insulating voltage:	690V~
ATEX Code:	Ⓔ II 2GD
Ex Protection type:	Ex d e IIC Txxx°C Gb Ex tb IIIC T80°C Db IP 66
Ambient temperature range:	-35°C + 60°C for EX 309 16A -50°C + 60°C for EX 309 32A -35°C + 60°C for EX 309 63A -35°C + 40°C for EX 309 125A
Maximum permissible surface temperature (DUST):	T80°C
Temperature class (GAS):	T4/T5/T6
Impact resistance:	7J
Switched socket outlets with interlock material:	Dissipative Thermosetting (GRP)
Plug material:	PA6 - Dissipative

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