

Product Technical Sheet

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PLUG

16A 3P+N+E 11h 440-460V 60Hz II 2GD Screw terminals Low temperature [-50°C]



Product Approvals

TECHDATA		STANDARDS AND LAWS	
Commercial series	OPTIMA-EX[GD] Series	EN 60309-1 (1999)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. Part 1: General requirements
Type of product	PLUG	EN 60309-2 (1999)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories of harmonized configurations
Synthetical description	PLUG		
Mounting version	PORTABLE		
Rated current	16A	EN 60309-1/A1 (2007)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. Part 1: General requirements
Poles	3P+N+E	EN 60309-2/A1 (2007)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories of harmonized configurations
Hour position	11h		
Rated voltage (range)	400-up	EN 60309-1/A2 (2012)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. Part 1: General requirements
Rated voltage	440-460V		
Working frequency	60Hz	EN 60309-2/A2 (2012)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. Part 2: Dimensional interchangeability requirements for pin and contact-tube accessories of harmonized configurations
Colour	RED		
Material	THERMOPLASTIC	EN 60079-0 (2012)	[European Standard] Explosive atmospheres. General requirements.
Protection degree	Splash proof	IEC 60079-0 (2011)	[International Standard] Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements.
Protection degree IP	IP66	EN 60079-31 (2014)	[European Standard] Explosive atmospheres. Equipment dust ignition protection by enclosure "t"
Types of available outlets	STRAIGHT		
Terminals	Screw terminals	IEC 60079-31 (2013)	[International Standard] Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Contact material	CuZn (brass)	EN 60079-0/A11 (2013)	[European Standard] Explosive atmospheres. General requirements.
Surface treatment contacts	Nickel-plated	EN 60079-1 (2014)	[European Standard] Electrical apparatus for explosive gas atmospheres - Part 1:

Cable entry	CABLE GLAND		Flameproof enclosures 'd'
Group and categories EX	II 2GD	EN 60079-7 (2015)	[European Standard] Explosive atmospheres. Equipment protection by increased safety "e"
Ambient temperature Ta min	-50 °C	IEC 60079-1 (2014)	[International Standard] Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d".
Ambient temperature Ta max	60 °C	IEC 60079-7 (2015)	[International Standard] Explosive atmospheres - Part 7: Equipment protection by increased safety "e".
Options	Low temperature [-50°C]		
		DIRECTIVE ATEX 2014/34/UE	[European Directives] Atmosphere Explosive