

Product Technical Sheet

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219.16376

PLUG

16A 3P+N+E 7h 480-500V 50Hz 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
Product type	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	7h		
Rated voltage (range)	400V-up	EN 60309-4 (2007)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. Switched socket-outlets and connectors, with or without interlock
Rated voltage	480-500V		
Working frequency	50Hz	EN 60309-1/A2 (2012)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. - Part 1: General requirements
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		
Protection degree	Splash proof	EN 60309-4/A1 (2012)	[European Standard] Plugs, socket-outlets and couplers for industrial purposes. - Switched socket-outlets and connectors, with or without interlock
Protection degree IP	IP66		
Types of available outlets	STRAIGHT	EN 60079-31 (2014)	[European Standard] Explosive atmospheres. Equipment dust ignition protection by enclosure "t"
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 60079-1 (2014)	[European Standard] Electrical apparatus

Surface treatment contacts	Nickel-plated		for explosive gas atmospheres - Part 1: Flameproof enclosures 'd'
Cable entry	CABLE GLAND	EN 60079-7 (2015)	[European Standard] Explosive atmospheres. Equipment protection by increased safety "e"
Group and categories EX	II 2GD	IEC 60079-1 (2014)	[International Standard] Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d".
Ambient temperature Ta min	-50 °C	IEC 60079-0 (2017)	[International Standard] Explosive atmospheres - Part 0: Equipment - General requirements
Ambient temperature Ta max	60 °C	IEC 60079-7 (2017)	[International Standard] Explosive atmospheres - Part 7: Equipment protection by increased safety "e".
Options	Low temperature [-50°C]	EN 60079-7 (2018)	[European Standard] Explosive atmospheres. - Part 7: Equipment protection by increased safety "e"
		EN 60079-0 (2018)	[European Standard] Explosive atmospheres. General requirements.
		DIRECTIVE ATEX 2014/34/UE	[European Directives] Atmosphere Explosive