

# Plugs Ex de

## PS\*-7\*



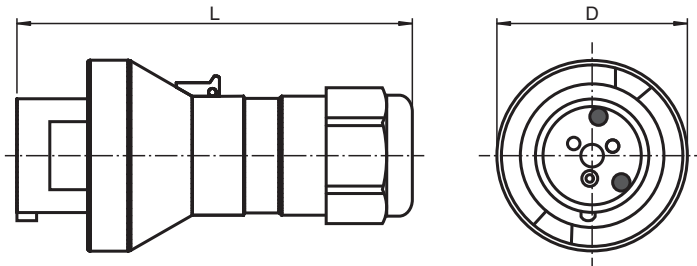
- Ex de and Ex t certified
- Polyamide
- Full equipment certified
- Installation in Zone 1, Zone 2, Zone 21 and Zone 22
- Degree of protection IP66
- Degree of protection ensured when plugged into socket and secured by means of bayonet catch
- Low insertion force



### Function

The PS series plugs are available from 16 to 125 Amps and from 110 to 500 Volts. High impact resistance provides safety when the plug is not installed in to the socket and susceptible to damage. The large termination area makes commissioning and maintenance fast and efficient. A rating of IP66 will ensure that the internals are protected from water and dust.

### Dimensions



Dimension values see data table.  
Image and drawing are generic for this device type and may deviate from the specific variant.

#### Specifications Plugs PS\*-7

Type	Operating voltage [V]	Operating current max. [A]	A	B	Number of poles	C	D	Diameter [mm] D	Length [mm] L	Clamping range [mm]	Mass [kg]
PS16-730400	110 ... 130	16	2.5	0.8	3	yellow	4 h	73	163	6.5 ... 18.5	0.35
PS16-730600	200 ... 250	16	2.5	0.8	3	blue	6 h	73	163	6.5 ... 18.5	0.35
PS16-740600	380 ... 415	16	2.5	0.8	4	red	6 h	77	187	6.5 ... 20	0.35
PS16-740700	480 ... 500	16	2.5	0.8	4	black	7 h	77	187	6.5 ... 20	0.35
PS16-750600	380 ... 415	16	2.5	0.8	5	red	6 h	84	187	6.5 ... 20	0.35
PS32-740600	480 ... 415	32	6	0.8	4	red	6 h	101	232	10 ... 28	0.7
PS32-740700	480 ... 500	32	6	0.8	4	black	7 h	101	232	10 ... 28	0.7
PS32-750600	380 ... 415	32	6	0.8	5	red	6 h	101	232	10 ... 28	0.7
PS63-740600	380 ... 415	63	16	0.8	4	red	6 h	111	262	15 ... 35	0.81
PS63-740700	480 ... 500	63	16	0.8	4	black	7 h	111	262	15 ... 35	0.81
PS63-750600	380 ... 415	63	16	0.8	5	red	6 h	111	262	15 ... 35	0.86
PS125-740600	380 ... 415	125	50	0.8	4	red	6 h	121	298	20 ... 57	1.25
PS125-740700	480 ... 500	125	50	0.8	4	black	7 h	121	298	20 ... 57	1.25

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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**PEPPERL+FUCHS**

Type	Operating voltage [V]	Operating current max. [A]	A	B	Number of poles	C	D	Diameter [mm] D	Length [mm] L	Clamping range [mm]	Mass [kg]
PS125-750600	380 ... 415	125	50	0.8	5	red	6 h	121	298	20 ... 57	1.3

A = Main terminals capacity [mm<sup>2</sup>]

B = Main terminals torque [Nm]

C = Color coding according to IEC 60309

D = Protective contact position according to IEC 60309

## Technical Data

### Electrical specifications

Operating voltage	see table
Operating current	see table
Terminal capacity	see table
Supply frequency	50/60 Hz
Function	plug
Number of poles	see table
Color coding according to IEC 60309	see table
Protective contact position according to IEC 60309	see table

### Mechanical specifications

Cable type	non-armored cables
Clamping range (D)	see table
Degree of protection	IP66
Material	
Housing	Polyamide (PA)
Finish	inherent color black
Mass	see table
Dimensions	see table

### Ambient conditions

Ambient temperature	-40 ... 55 °C (-40 ... 131 °F)
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### Data for application in connection with hazardous areas

EU-type examination certificate	SIRA 11 ATEX 1044
Marking	⊕ II 2 GD Ex de IIC T6 Gb Ex t IIIC T80 °C Db

### International approvals

IECEx approval	IECEx SIR 11.0026
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### Conformity

Degree of protection	EN 60529
CE marking	0102
Plug connection	IEC 60309

### General information

Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see <a href="http://www.pepperl-fuchs.com">www.pepperl-fuchs.com</a> .
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## Type Code

1	2	3	4	5	6
PS	***	-	*	*	**
PS	125	-	4	5	06

Example: PS125-450600

Socket Ex de max. 125 A, 380 ... 415 V, 5-pole red, protective contact position 6 h

1	2	3	4	5	6
PS	**	-	*	*	**
PS	16	-	7	3	04

Example: PS16-730400

Plug Ex de max. 16 A, 110 ... 113 V, 3-pole yellow, protective contact position 4 h

Type Code	
<b>1</b>	<b>Device type</b>
PS	PS Plugs and Sockets Ex de
<b>2</b>	<b>Operating current</b>
**	max. A, see data table
<b>3</b>	<b>Variant</b>
4	socket
7	plug
<b>4</b>	<b>Number of poles</b>
3 ... 5	see data table
<b>5</b>	<b>Pin configuration</b>
**	pins and protective contact positioning, see data table
<b>6</b>	<b>Auxiliary contacts</b>
00	none