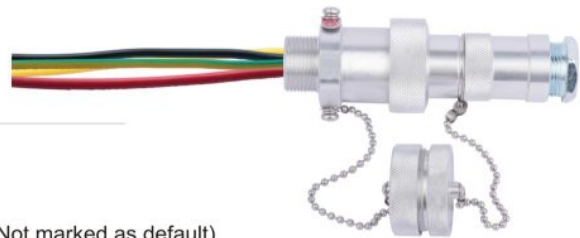
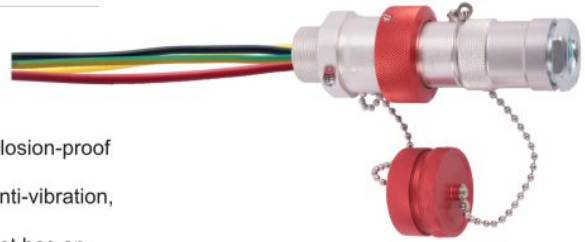


HEXLON

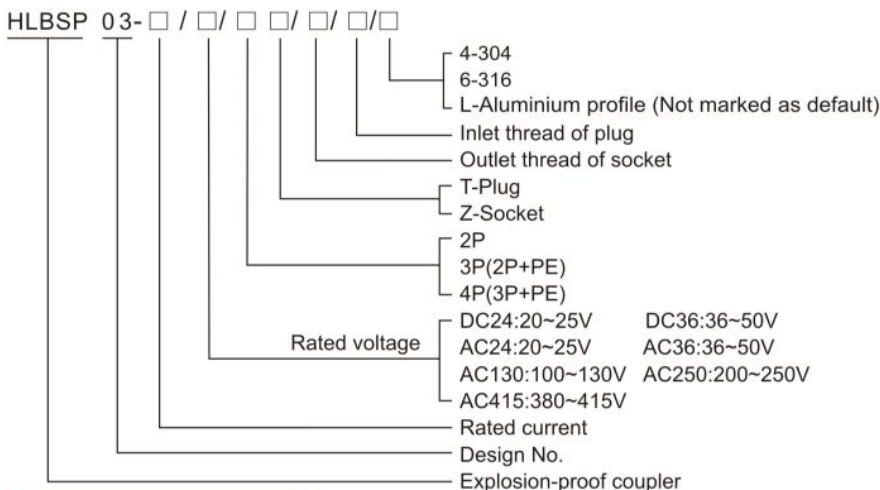
HLBSP03-Series Explosion-proof Coupler

1 Application and Features

- Explosion protection
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Flame-proof type and dust explosion-proof type structure, used with explosion-proof instruments and meters, three kinds of pole number 2P, 3P, 4P.
- After the plug and socket are connected by thread locking mode, with anti-vibration, anti-loosening and anti-misplugging functions.
- Contact performance of the plug is reliable. The plug sleeve in the socket has an elastic shutter spring sleeve, which not only makes the plug self-cleaning but also ensures small contact resistance and low-temperature rise. At the same time, it also reduces the required insertion and extraction force to the minimum. The design of shutter spring sleeve ensures the normal function of plug and socket and permanent self-cleaning.
- The product has timing function, different working voltages set different color, to prevent wrong insertion by mistake.
- Cable wiring for plug.

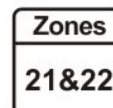
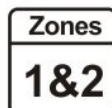


2 Nomenclature



3 Technical Parameter

Ex marking	Gas	Ex d IIC Gb
	Dust	Ex tD A21 IP66/68
Conformity to standards	GB3836.1, GB3836.2, GB12476.1, GB12476.5	
Enclosure material	Aluminium profile (anodized surface) or stainless steel	
Exposed fastener	Stainless steel	
Rated voltage	20~25V DC, 36~50V DC	
	20~25V AC, 36~50V AC, 100~130V AC, 200~250V AC, 380~415V AC	
Rated current	6A, 10A, 16A	
Pole	2P, 3P(2P+PE), 4P(3P+PE)	
Frequency	50Hz / 60Hz	
Degree of protection	IP66, IP68	
Ambient temperature	6A, 10A: -40℃~+70℃, 16A: -40℃~+60℃	
Thread specification	Socket inlet thread/ cable outer diameter (mm)	M20X1.5/φ4~φ10(Default), NPT1/2/φ4~φ10 M25X1.5/φ5.5~φ12, NPT3/4/φ5.5~φ12
	Socket thread	M20X1.5(Default), M25X1.5, NPT1/2, NPT3/4

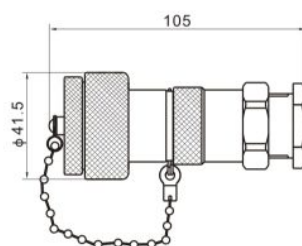
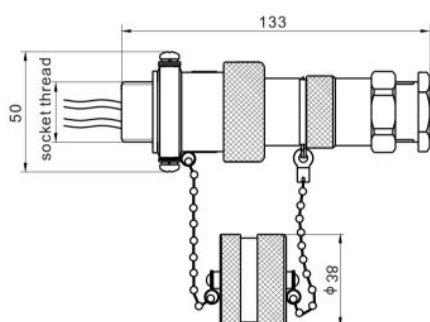


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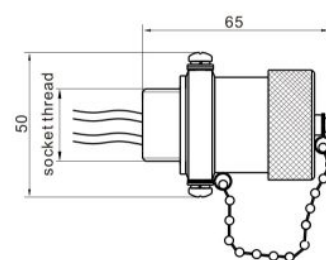
4 Selection Table

Rated voltage (V)	Pole	Schematic diagram	h	Color
AC20~25	2P		/	PL
AC36~50			12	WH
DC20~25			10	PL
DC36~50				WH
AC20~25	2P+PE		/	PL
AC36~50			12	WH
DC20~25			10	PL
DC36~50				WH
AC100~130			4	YL
AC200~250			6	BU
AC20~25	3P+PE		/	PL
AC36~50			12	WH
DC20~25			10	PL
DC36~50				WH
AC100~130			4	YL
AC200~250			9	BU
AC380~415			6	RD

5 Outline and Installation Dimension (Dimensions in mm)



HLBSP03-□T Plug



HLBSP03-□Z Socket

6 Wiring Diagram

