

HEXLON

HLBSP07-Series Explosion-proof Plug and Sockets

1 Application and Features

- Explosion protection
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- Increased safety type enclosure, four types of enclosure, three kinds of current 16A, 32A, 63A, 125A, three kinds of pole number 3P, 4P, 5P.
- Reliable interlocking function, the plug can be pulled out only after the power switch is off, and the power switch can be on only after the plug is inserted into the cavity.
- 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.
- The socket is equipped with a padlock, which can be locked when not in use, and the socket cannot be opened.



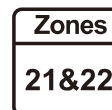
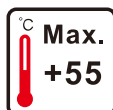
2 Nomenclature

HLBSP 07 - □/□/□

- T-Plug
- Z-Socket
- M-Socket without enclosure (16,32A)
- Pole (3~5P)
- Rated voltage
- Rated current
- Design No.
- Explosion-proof plug and sockets

3 Technical Parameter

Ex marking	Gas	16A	Ex db eb IIC T6/T5 Gb		
		32A	Ex db eb IIC T5/T4 Gb		
		63A	Ex db eb IIC T5 Gb		
		125A	Ex db eb IIC T4 Gb		
	Dust	16A, 32A, 63A, 125A	Ex tb IIIC T80℃ Db		
Conformity to standards		GB3836.1, GB3836.2, GB3836.3, GB3836.31			
Enclosure material		Socket enclosure: GRP, resistant to 7J impact, antistatic; Plug enclosure: Nylon (PA66)			
Exposed fastener		Stainless steel			
Rated voltage		16A	16A, 32A, 63A, 125A		
		110~130V AC	200~250V AC, 380~415V AC, 480~500V AC, 600~690V AC		
Rated current		16A, 32A, 63A, 125A			
Degree of protection		IP66			
Ambient temperature		-20℃~+40℃, -40℃~+40℃, -40℃~+55℃			
Cable entries		16A	32A	63A	125A
	Socket inlet thread	2-M25X1.5	2-M40X1.5	2-M50X1.5	2-M63X1.5
	Outer diameter of socket cable (mm)	φ8~φ14	φ15~φ26	φ19~φ36	φ37~φ44
	Outer diameter of plug cable (mm)	16A/3: φ7~φ16 16A/4(5): φ9~φ19	φ12~φ28	φ19~φ28	φ34~φ53
	Wire diameter	2.5~4mm ²	6mm ²	16mm ²	35,50mm ²
Weight (kg)		1.9	2.8	9.9	/



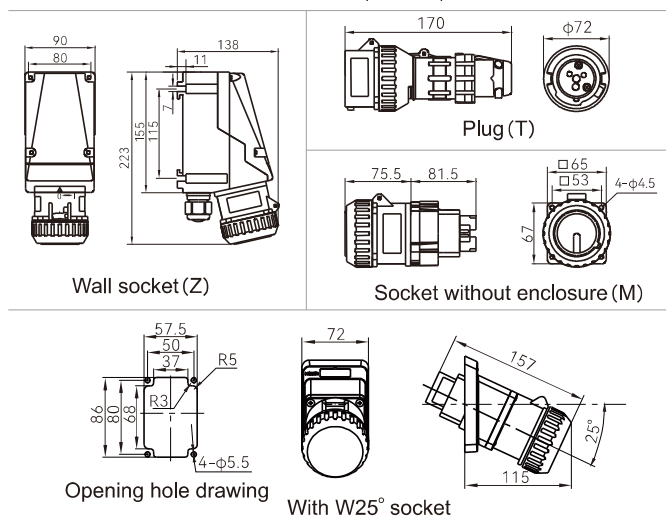
HLBSP07-Series Explosion-proof Plug and Sockets

4 Outline and Installation Dimension, Wiring Diagram (Dimensions in mm)

Product Version (16A/3P)

HLBSP07-16/3	Clock h and voltage	
 (Z)  (T)  (M)	 h4	110~130V 1P+N+PE Yellow
	 h6	200~250V 1P+N+PE Blue
	Wiring Diagram (16A/3P) 	
	 h5	1P+N+PE

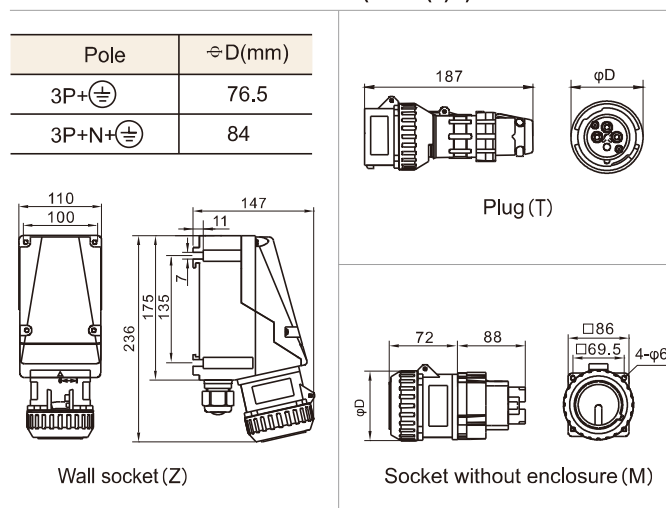
Outline and Installation Dimension (16A/3P)



Product Version (16A/4P)

HLBSP07-16/4	Clock h and voltage	
 (Z)  (T)  (M)	 h9	200~250V 3P+PE Blue
	 h6	380~415V 3P+PE Red
	 h7	480~500V 3P+PE Black
	 h5	600~690V 3P+PE Black

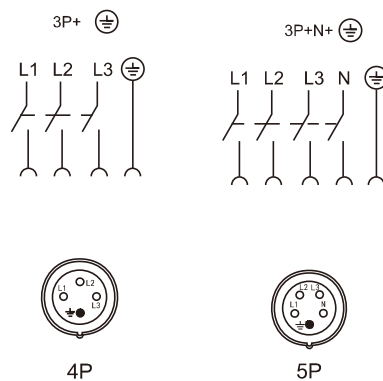
Outline and Installation Dimension (16A/4(5)P)



Product Version (16A/5P)

HLBSP07-16/5	Clock h and voltage	
 (Z)  (T)  (M)	 h9	200~250V 3P+N+PE Blue
	 h6	380~415V 3P+N+PE Red
	 h7	480~500V 3P+N+PE Black
	 h5	600~690V 3P+N+PE Black

Wiring Diagram (16A/4(5)P)



Product Version (32A/4P)

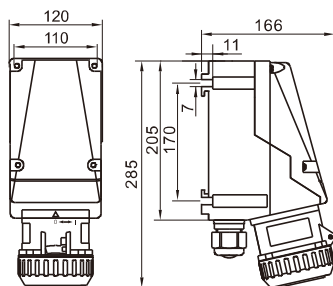
HLBSP07-32/4	Clock h and voltage
	 200~250V  3P+PE Blue h9
	 380~415V  3P+PE Red h6
	 480~500V  3P+PE Black h7
	 600~690V  3P+PE Black h5

Product Version (32A/5P)

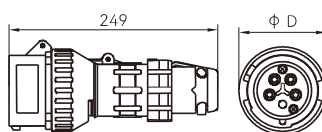
HLBSP07-32/5	Clock h and voltage
	 200~250V  3P+N+PE Blue h9
	 380~415V  3P+N+PE Red h6
	 480~500V  3P+N+PE Black h7
	 600~690V  3P+N+PE Black h5

Outline and Installation Dimension (32A/4(5)P)

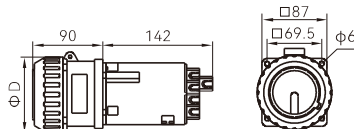
Pole	φ D(mm)
2P、2P+⊕	95
3P+⊕	95
3P+N+⊕	100



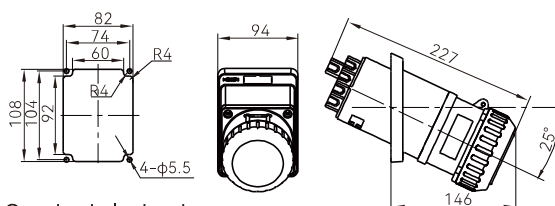
Wall socket (Z)



Plug (T)



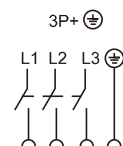
Socket without enclosure (M)



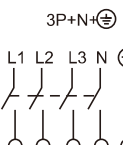
Opening hole drawing

With W25° socket

Wiring Diagram (32A/4(5)P)



4P



5P

HLBSP07-Series Explosion-proof Plug and Sockets

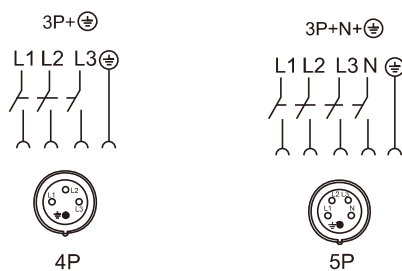
Product Version (63A/4P)

HLBSP07-63/4	Clock h and voltage
 Wall socket (Z) Plug (T)	 200~250V  3P+PE Blue h9
	 380~415V  3P+PE Red h6
	 480~500V  3P+PE Black h7
	 600~690V  3P+PE Black h5

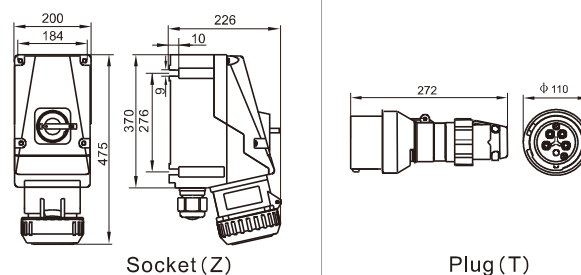
Product Version (63A/5P)

HLBSP07-63/5	Clock h and voltage
 Wall socket (Z) Plug (T)	 200~250V  3P+N+PE Blue h9
	 380~415V  3P+N+PE Red h6
	 480~500V  3P+N+PE Black h7
	 600~690V  3P+N+PE Black h5

Wiring Diagram (63A/4(5)P)



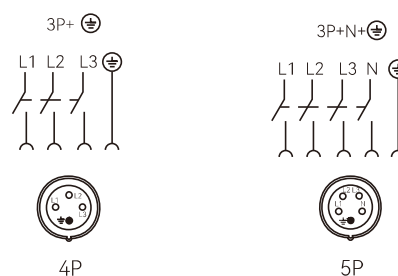
Outline and Installation Dimension (63A/4(5)P)



Product Version [125A/4(5)P]

HLBSP07-125/4	Clock h and voltage
 Wall socket (Z) Plug (T)	 220~250V  3P+PE Blue h9
	 380~415V  3P+PE Red h6
	 480~500V  3P+PE Black h7
	 600~690V  3P+PE Black h5
HLBSP07-125/5	Clock h and voltage
	 220/380V  240/450V 3P+N+PE Red h6

Wiring Diagram [125A/4(5)P]



Outline and Installation Dimension [125A-4(5)P]

