

HEXLON

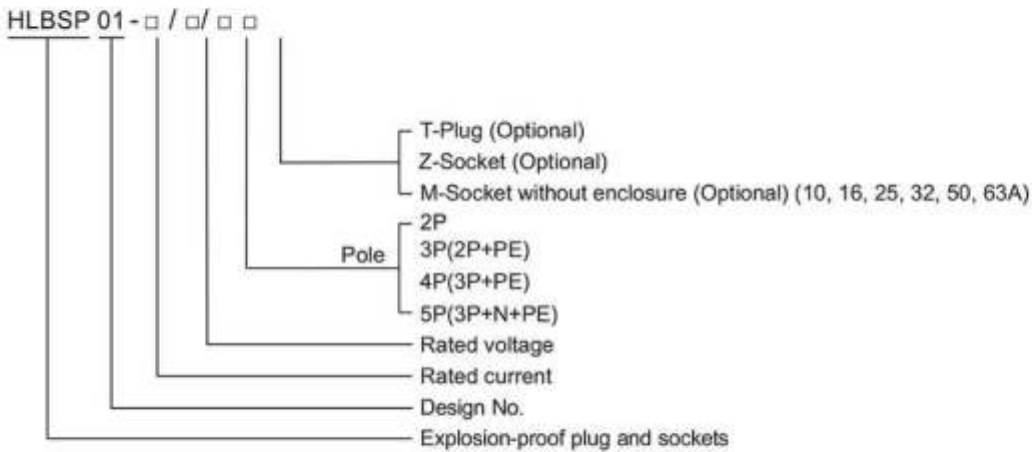
HLBSP01-Series Explosion-proof Plug and Sockets

1 Application and Features

- Explosion protection
 - IECEx (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2, Zone 21 and Zone 22
- Flame-proof type enclosure, four types of enclosure, eight kinds of current classes 10A, 16A, 25A, 32A, 50A, 63A, 100A, 125A, and four kinds of pole numbers 2P, 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.
- This model includes a timer with different working voltages, set to different colors to avoid mistaken insertion.



2 Part Number



Flame-proof thread type cover
Easy to install and disassemble



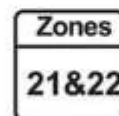
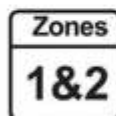
Stainless steel nameplate
Clear and fine letter



Different working voltage product
with different indication color



Fix the dust cover with stainless
steel chain
Prevent falling off
Protect contact copper rod and
flame-proof joint



HLBSP01-Series Explosion-proof Plug and Sockets

3 Specifications

Ex marking	Gas	⊕ II 2 G Ex db IIC T6 Gb	Ex db IIC T6 Gb	Ex db IIC T6 Gb	
	Dust	⊕ II 2 D Ex tb IIIC T80°C Db	Ex tb IIIC T80°C Db	Ex tDA21 IP66 T80°C	
Conformity to standards		IEC 60079-0, IEC 60079-1, IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-31 GB3836.1, GB3836.2, GB12476.1, GB12476.5			
Enclosure material		Aluminum alloy enclosure, power coated surface, industrial gray with dark lines texture(RAL7035)			
Exposed fastener		Stainless steel			
Rated voltage		24,36V DC(10, 16A) 20~50V AC, 100~130V AC, 200~250V AC, 380~415V AC, 480~500V AC, 600~690V AC			
Rated current		10A, 16A, 25A, 32A, 50A, 63A, 100A, 125A			
Poles		2P(2P+PE)、3P(2P+PE)、4P(3P+PE)、5P(3P+N+PE)			
Frequency		50Hz / 60Hz			
Degree of protection		IP66			
Ambient temperature		10、16、25、32、50、63A: -60℃~+45℃, -60℃~+65℃(Please specify when ordering) 100、125A: -60℃~+50℃			
Cable outer diameter(mm)	Rated current	10、16A	25、32A	50、63A	100、125A
	Wire diameter	2.5~4mm ²	4~6mm ²	10~16mm ²	25~35mm ²
	Weight (kg)	2.2	3.3	6.6	25.2

4 Selection Table

Rated current (A)	Rated voltage (V)	Pole	Schematic diagram	h	Color	Outlet and Inlet thread	Cable outer dia. (mm)
10、16	DC24	2P		-	Purple	Plug 1-M25×1.5 1-NPT3/4 Socket 2-M25×1.5 2-NPT3/4	φ9 φ14
	DC36			-	White		
	AC20~25	2P+PE		12	Purple		
	AC40~50			12	Purple		
	AC100~130			4	Yellow		
	AC200~250			6	Blue		
	AC100~130	3P+PE		4	Yellow		
	AC200~250			9	Blue		
	AC380~415			6	Red		
	AC480~500			7	Black		
	AC600~690			5	Black		
	AC57~75			4	Yellow		
	AC100~130	3P+N+PE		4	Yellow		
	AC120~144			9	Blue		
	AC208~250			9	Blue		
	AC200~240			9	Blue		
	AC346~415			5	Black		
	AC277~288			7	Black		
	AC480~500			7	Black		
	AC347~400			5	Black		
AC600~690		5	Black				
						Plug 1-M32×1.5 1-NPT1 Socket 2-M32×1.5 2-NPT1	φ11 φ18

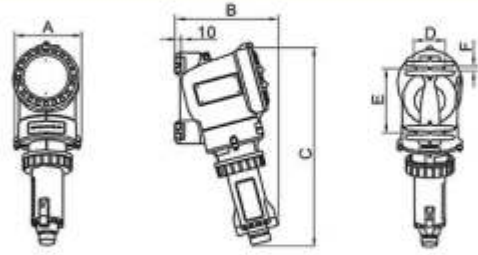
4 Selection Table

Rated current (A)	Rated voltage (V)	Pole	Schematic diagram	h	Color	Outlet and Inlet thread	Cable outer dia. (mm)
25, 32	AC20~25	2P+PE		12	Purple	Plug 1-M32X1.5 1-NPT1 Socket 2-M32X1.5 2-NPT1	φ11 φ18
	AC40~50			12	Purple		
	AC100~130			4	Yellow		
	AC200~250			6	Blue		
	AC200~250	3P+PE		9	Blue		
	AC380~415			6	Red		
	AC480~500			7	Black		
	AC600~690			5	Black		
	AC120~144	3P+N+PE		9	Blue		
	AC208~250			9	Blue		
	AC200~240			9	Blue		
	AC346~415			5	Black		
	AC277~288			7	Black		
	AC480~500			7	Black		
	AC347~400			5	Black		
	AC600~690			5	Black		
50, 63	AC200~250	3P+PE		9	Blue	Plug 1-M50X1.5 1-NPT11/2 Socket 2-M40X1.5 2-NPT11/4	φ17 φ30
	AC380~415			6	Red		
	AC480~500			7	Black		
	AC600~690			5	Black		
	AC120~144	3P+N+PE		9	Blue		
	AC208~250			9	Blue		
	AC200~240			9	Blue		
	AC346~415			5	Black		
	AC277~288			7	Black		
	AC480~500			7	Black		
	AC347~400			6	Red		
	AC600~690			5	Black		
100, 125	AC200~250	3P+PE		9	Blue	Plug 1-M50X1.5 1-NPT11/2 Socket 2-M63X1.5 3-M63X1.5 2-NPT2 3-NPT2	φ18 φ33
	AC380~415			6	Red		
	AC480~500			7	Black		
	AC600~690			5	Black		
	AC200~240	3P+N+PE		6	Red		
	AC346~415			6	Red		
	AC277~288			7	Black		
	AC480~500			7	Black		
	AC347~400			6	Red		
	AC600~690			5	Black		

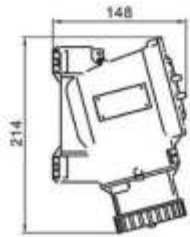
HLBSP01-Series Explosion-proof Plug and Sockets

5 Outline and Installation Dimension (Dimensions in mm)

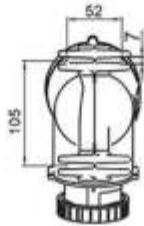
Size (mm)	A	B	C	D	E	F
HLBSP01-16	106	164	334	52	105	7
HLBSP01-32	126	195	384	77	140	9
HLBSP01-63	187	238	469	87	180	13
HLBSP01-125	360	256	693	328	315	/



HLBSP01-16 (32)

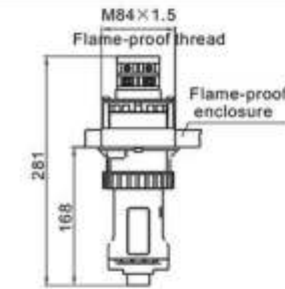
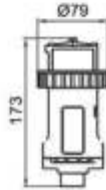


Z-Socket

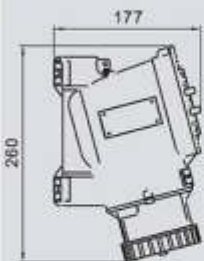
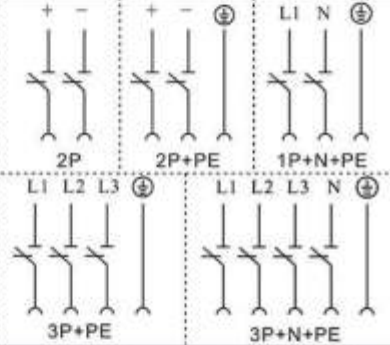


T-Plug

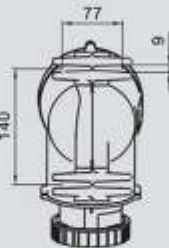
HLBSP01-16/3 (16/2, 16/4)



M-Socket without enclosure

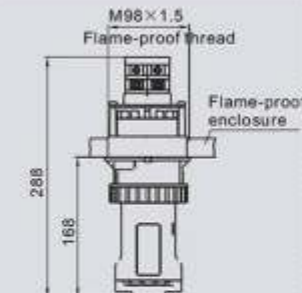
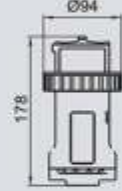


Z-Socket

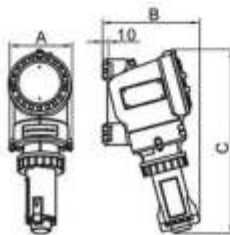
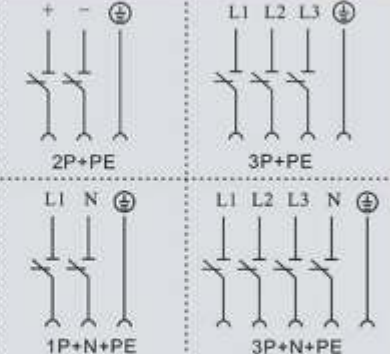


T-Plug

HLBSP01-16/5 (32/3, 32/4, 32/5)

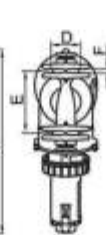


M-Socket without enclosure



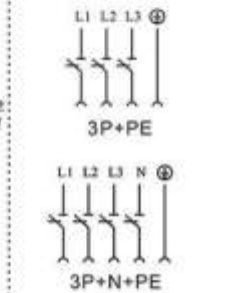
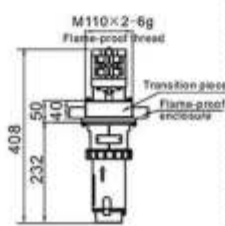
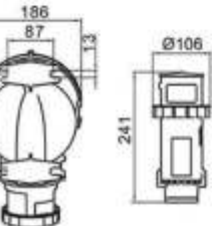
Z-Socket

HLBSP01-63

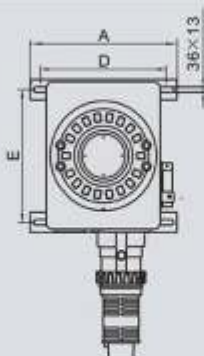


T-Plug

M-Socket without enclosure



HLBSP01-63 (125)

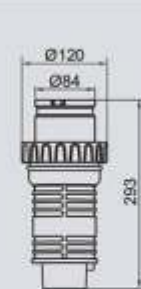


Z-Socket

HLBSP01-125



T-Plug



HEXLON

HL0109- Series Explosion-proof Ammeters

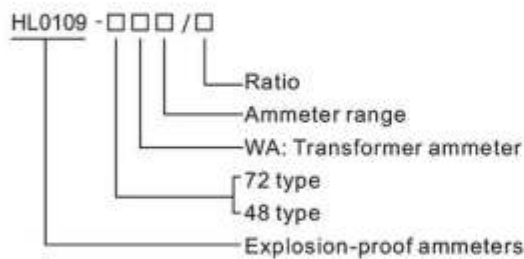
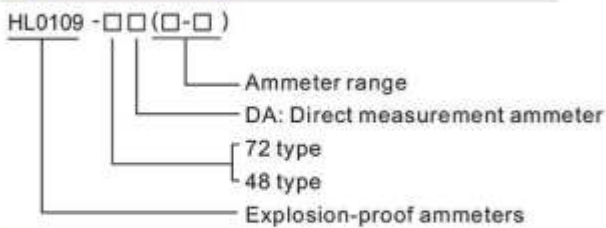
1 Application and Features

- Explosion protection
 - IECEx (IEC)
 - ATEX (CENELEC, EN)
 - China Ex(GB)
- Application in hazardous area
 - Zone 1 and Zone 2
- Quick comparison of measured and set values.
- Two specifications of ammeter: 48 type and 72 type.

Electrical accessories



2 Part Number



3 Specifications

Ex marking of ammeter	Gas	⊕ IIC G Ex eb IIC Gb	Ex eb IIC Gb	Ex e IIC Gb	
Ex marking of electrical accessories	Gas	⊕ IIC G Ex eb IIC Gb	Ex eb IIC Gb	Ex e IIC Gb	
	Dust	⊕ II2 D Ex tb IIIC Db	Ex tb IIIC Db	Ex tD A21 IP66	
Conformity to standards	IEC60079-0, IEC60079-7, IEC 60079-31 EN60079-0, EN60079-7, EN 60079-31 GB3836.1, GB3836.3, GB12476.1, GB12476.5				
Material	Ammeter enclosure	Polycarbonate (PC)			
	Electrical accessories	Nylon (PA66), tempered glass			
Insulation voltage	690V AC				
Frequency	50Hz/60Hz				
Accuracy grade	1.5 class				
Overload multiples	5 times				
Technical parameters	48DA	Direct measurement	5	1A	0~1A
				5A	0~5A
	48WA	With current transformer	X/1A	1A	1A, 2.5A, 5A, 10A, 15A, 20A, 25A, 30A, 40A, 50A, 60A, 75A, 100A, 150A, 200A, 250A, 300A, 400A, 500A, 600A, 700A, 800A, 1000A
				X/5A	
	72DA	Direct measurement	5	1A	0~1A
				5A	0~5A
	72WA	With current transformer	X/1A	1A	1A, 2.5A, 5A, 10A, 15A, 20A, 25A, 30A, 40A, 50A, 60A, 75A, 100A, 150A, 200A, 250A, 300A, 400A, 500A, 600A, 700A, 800A, 1000A
				X/5A	
Ambient temperature	-25℃~+80℃, -45℃~+80℃				
Terminal wire diameter	2.5mm ²				
Weight	48 type ammeter: 78g, 48 type Electrical accessories (including glass): 38g 72 type ammeter: 153g, 72 type Electrical accessories (including glass): 53g				

Min.
-45

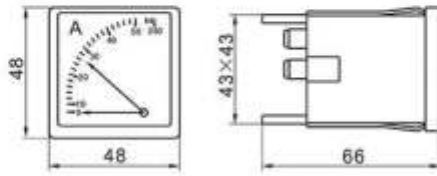
Max.
+80

Zones
1&2

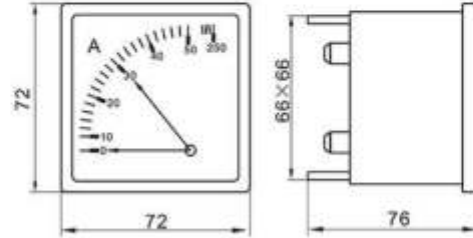
Zones
21&22

4 Outline and Installation Dimension (Dimensions in mm)

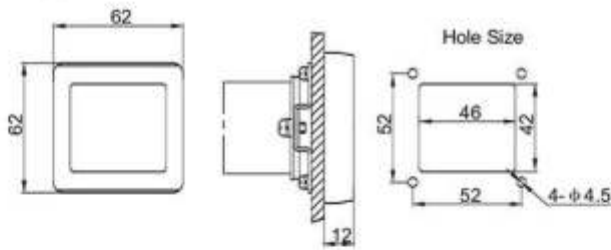
•48 type Ammeter



•72 type Ammeter



•48 type Electrical accessories



•72 type Electrical accessories

