

## TL-EX-FH-DP11-Series Explosion-proof Electrical Apparatus (Terminal Box)

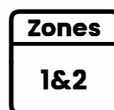
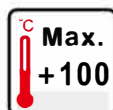
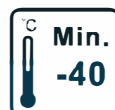
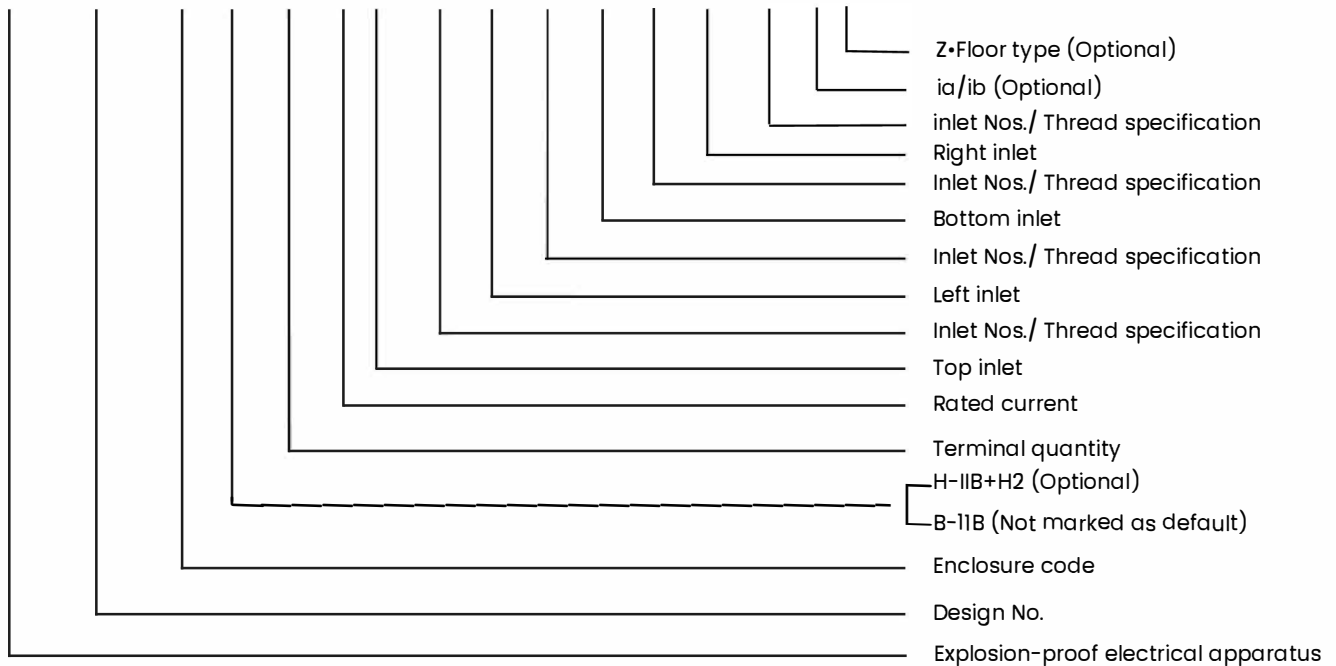
### 1 Application and Features

- Explosion protection  
ATEX
- Application in hazardous area  
Zone 1 & 2,  
Zone 21 & 22
- Three types of explosion protection (Ex db IIB, Ex db IIB+H2, Ex tb IIIC)
- Aluminum alloy enclosure, powder coated
- Equipped with hinges and door handle; easy to installation and maintenance, also protect the flameproof surface from cover is opening or closing.
- Can be customized upon request and able to meet the usage restrictions of the certificate
- Direction, size and quantity of cable entry can be customized and meet the requirements of dissipated power and mechanical strength of the enclosure.



### 2 Nomenclature

TL-EX-FH- DP11- □ □ / □ / □ D □ / □ L □ / □ X □ / □ R □ / □ □ □



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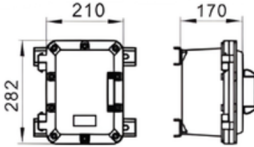
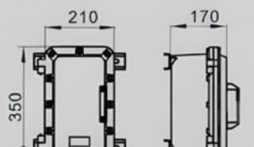
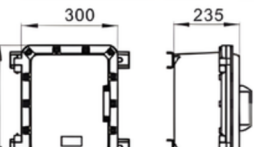
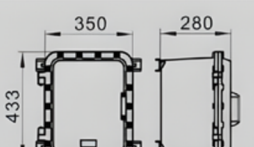
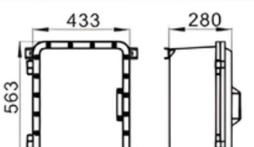
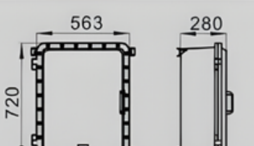
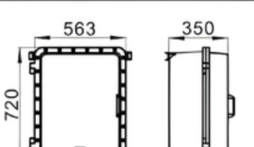
### 3 Technical Parameter

<b>Ex marking</b>	<b>Gas</b>	⊕ II2 G Ex db IIB T6/T5/T4 Gb		Ex db IIB T6/T5/T4 Gb							
		⊕ II2 G Ex db IIB+H2 T6/T5/T4 Gb		Ex db IIB+H2 T6/T5/T4 Gb							
	<b>Dust</b>	⊕ II2 D Ex tb IIIC T80/T95/T130 Ĉ Db		Ex tb IIIC T80/T95/T130°C Db							
<b>Conformity to standards</b>		IEC 60079-0, IEC 60079-1, IEC 60079-31 EN 60079-0, EN 60079-1, EN 60079-31									
<b>Enclosure material</b>		Enclosure	Aluminum alloy enclosure, powder coated, Industrial grey with dark lines texture (RAL7035)								
		Rain shade	Bended steel plate surface powder coated, Industrial grey with dark lines texture (RAL7035) or stainless steel 304/316, please note when needed.								
<b>Exposed fasteners</b>		Stainless steel									
<b>Components</b>		Brand of terminal	International brand								
<b>Rated voltage</b>		Maximum 1000V AC, 1500V DC									
<b>Rated current</b>		Maximum 1200A									
<b>Frequency</b>		50Hz/60Hz									
<b>Degree of protection</b>		03,07, 08, 11, 15 -- IP66/IP67		19,21-- IP66							
<b>Ambient temperature</b>		-20°C~+40/60°C, -40°C ~+40/60°C									
<b>Inlet direction</b>		Upon request									
<b>Installation method</b>		Hanging type (Standard)									
		Floor type (Optional)									
<b>Maximum dissipation power</b>	<b>Enclosure Size</b>	<b>Type</b>	<b>Ta: +60°C</b>		<b>Ta: +40°C</b>			<b>Weight of Empty enclosure</b>			
			<b>T6/T80°C</b>		<b>T5/T95°C</b>		<b>T4/T130°C</b>				
		<b>Power</b>	<b>Rated Current</b>	<b>Power</b>	<b>Rated Current</b>	<b>Power</b>	<b>Rated Current</b>				
		282X210X170	03	45W	≤63A	110W	--		110W	--	9.0kg
		350X210X170	07	45W	63A~100A	80W	--		139W	--	11.5kg
		350X300X235	08	45W	63A~100A	80W	--		139W	--	16.6kg
		433X350X280	11	100W	100A~250A	288W	--		288W	--	26kg
		563X433X280	15	130W	250A~400A	365W	400A~800A		365W	800A~1200A	48kg
720X563X280	19	200W	250A~400A	448W	400A~800A	448W	800A~1200A	85kg			
720X563X350	21	210W	250A~400A	690W	400A~800A	690W	800A~1200A	95kg			

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### 4 Selection Table

Maximum quantity of terminals that can be installed are shown in the table below:

Enclosure specifications	Guideway x Terminal (specification and quantity)										
	2.5 <sup>2</sup>	4 <sup>2</sup>	6 <sup>2</sup>	10 <sup>2</sup>	16 <sup>2</sup>	35 <sup>2</sup>	70 <sup>2</sup>	120 <sup>2</sup>	185 <sup>2</sup>	240 <sup>2</sup>	300 <sup>2</sup>
	UK3N	UK5N	UK6N	UK10N	UK16N	UK35N	--	--	--	--	--
	SAK2.5EN	SAK4EN	SAK6EN	SAK10EN	SAK16EN	SAK35EN	--	--	--	--	--
03 	1X23	1X21	1X18	1X14	1X12	--	--	--	--	--	--
07 	1X31	1X29	1X24	1X19	1X16	--	--	--	--	--	--
08 	1X32	1X30	1X25	1X20	1X18	--	--	--	--	--	--
11 	1X45	1X40	1X34	1X28	1X24	1X16	--	--	--	--	--
	2X45	2X40	2X34	2X28	--	--	--	--	--	--	--
15 	1X60	1X54	1X48	1X36	1X30	1X20	--	--	--	--	--
	2X60	2X54	2X48	2X36	2X30	--	--	--	--	--	--
19 	1X90	1X80	1X70	1X60	1X40	1X25	1X25	1X14	1X10	1X8	1X5
	2X90	2X80	2X70	2X60	2X40	--	--	--	--	--	--
21 	1X90	1X80	1X70	1X60	1X40	1X25	1X25	1X14	1X10	1X8	1X5
	2X90	2X80	2X70	2X60	2X40	--	--	--	--	--	--

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### 5 Outline and Installation Dimension (Dimensions in mm)

