

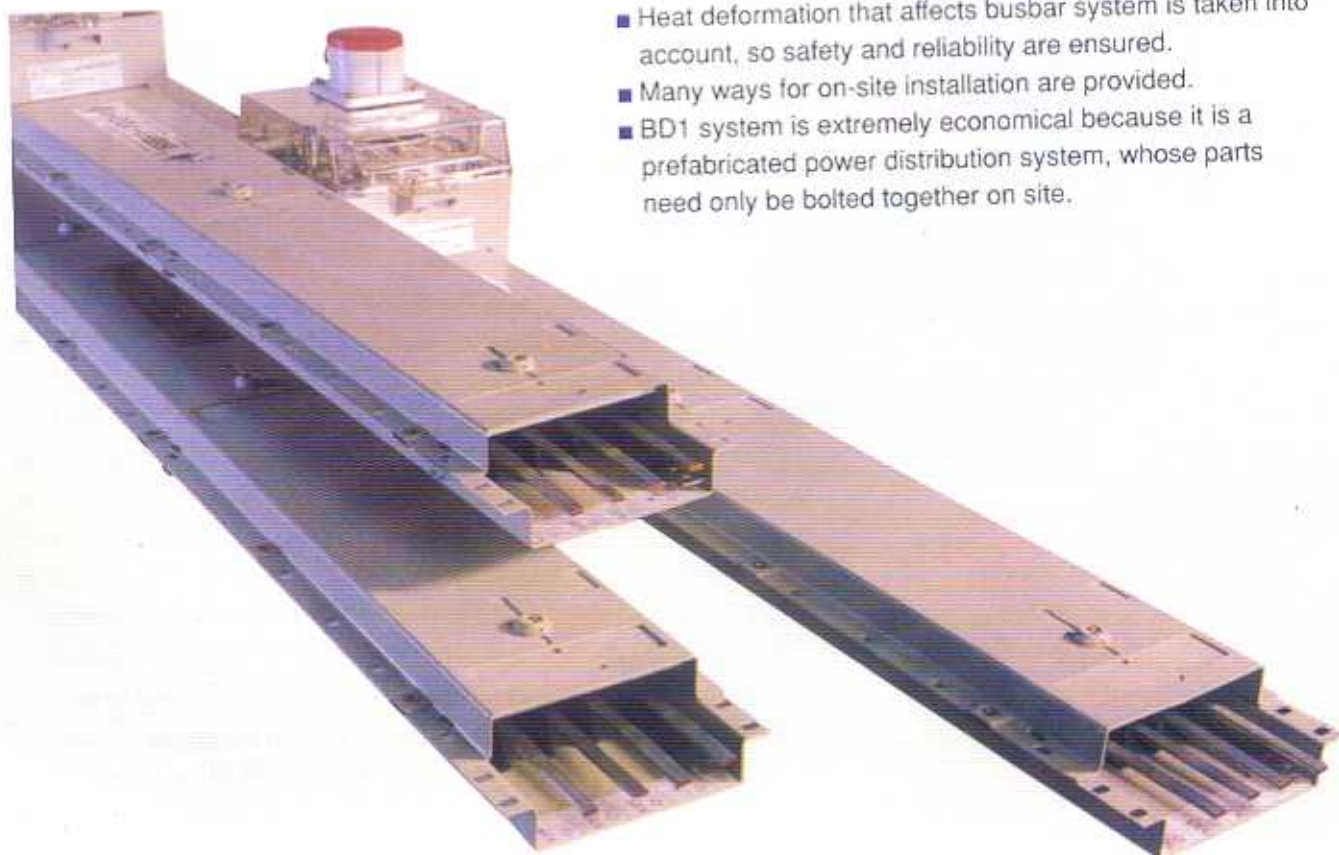
特点

BD1母线槽系统是一种新型的封闭式母线槽系统。广泛用于中小负载的配电，尤其适用于工厂、高层建筑、实验室、展览厅和地铁等场合。

- 由于有大量的插接点，即使最终的负载配置尚未明确，也可设计供电系统。
- 插接箱插接时无需切断电源，PE线总是先接上后断开。
- 充分考虑了热变形的影响，确保系统的安全可靠性。
- 提供了各种现场安装方式，用户可以根据需要灵活使用。
- 非常经济。因为是一个预制的配电系统，其部件仅需现场用螺栓连接。

额定电流 140A~700A

Rated current



Features

BD1 series is a modern enclosed busbar trunking system, and widely used to supply power of small and medium loads. It is particularly suitable for plants, building of high storeys, laboratories, exhibition halls and metro.

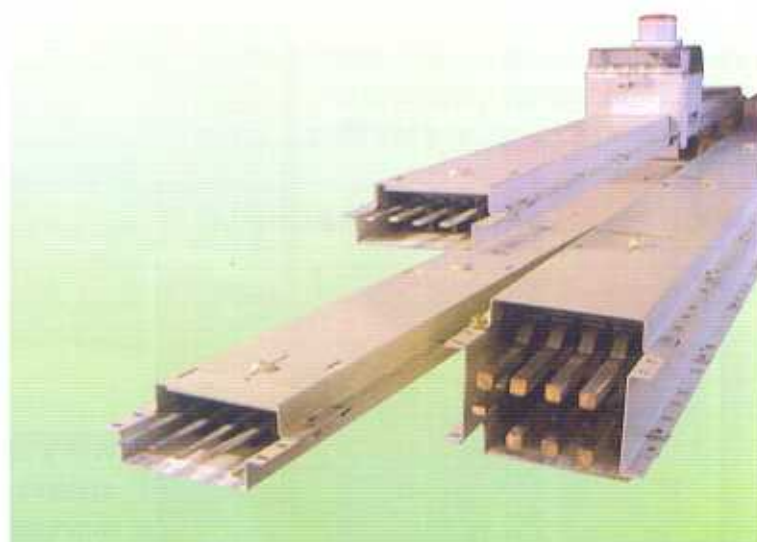
- With a large number of tap-off points, power supply systems can be designed even if the final load arrangements are unidentified.
- The tap off units can be fitted and removed when the system is live. PE conductor is always early-make and late-break.
- Heat deformation that affects busbar system is taken into account, so safety and reliability are ensured.
- Many ways for on-site installation are provided.
- BD1 system is extremely economical because it is a prefabricated power distribution system, whose parts need only be bolted together on site.

直线段单元
Straight Trunking Unit

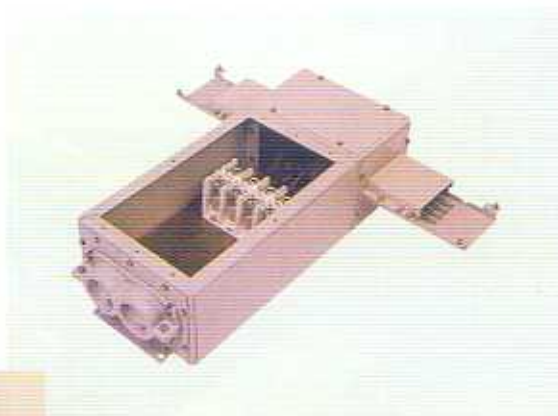


馈电单元
Feeder Unit

终端馈电单元
End Feeder Units



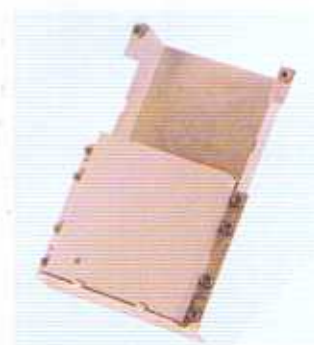
中间馈电单元
Centre Feeder Units



进线单元
Entry Units



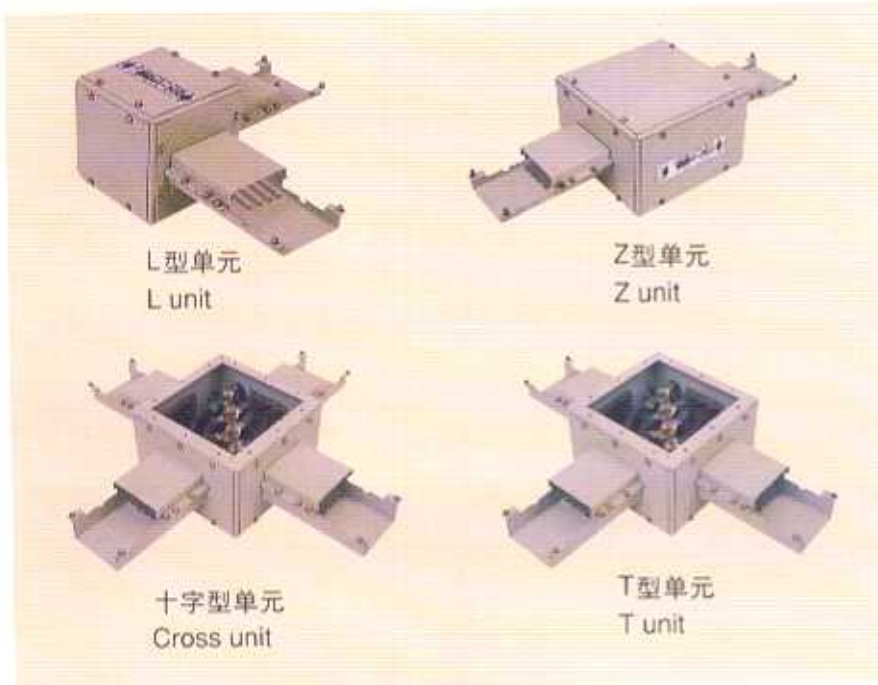
终端法兰
End Flange



带或不带小型断路器
(MCB)或熔断器
With or without miniature
circuit breaker(MCB) or fuse

换向单元

Junction and Branch Units



防火套
Protective sleeve



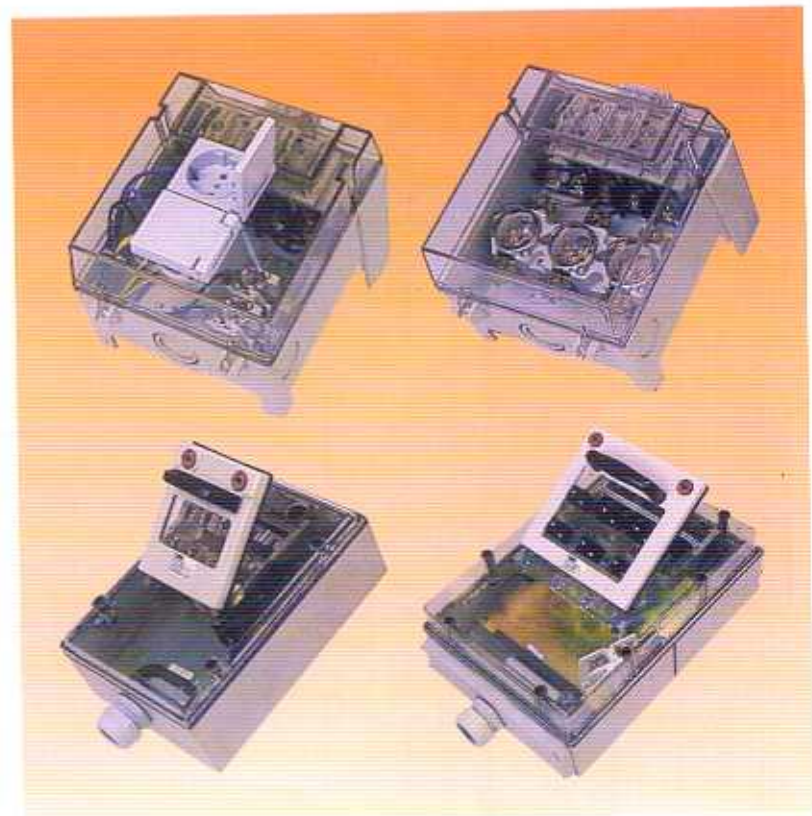
膨胀节
Expansion compensation unit



插接箱

Tap-off Units

- 电流等级 16A~350A
 - 透明的全绝缘树脂外罩
 - 带或不带小型断路器(MCB)或熔断器
 - 在100A以下, 母线槽通电时, 可无负载安装、拆卸插接箱。
 - 可强制性、无负载更换插入式熔断器。
-
- Rated current 16A~350A.
 - Transparent insulated polyester cover.
 - With or without miniature circuit breaker (MCB) or fuse.
 - Tap-off units can be fitted or removed without load when the busbar trunking system is energized below 100A.
 - Plug-in fuses can be changed without load.



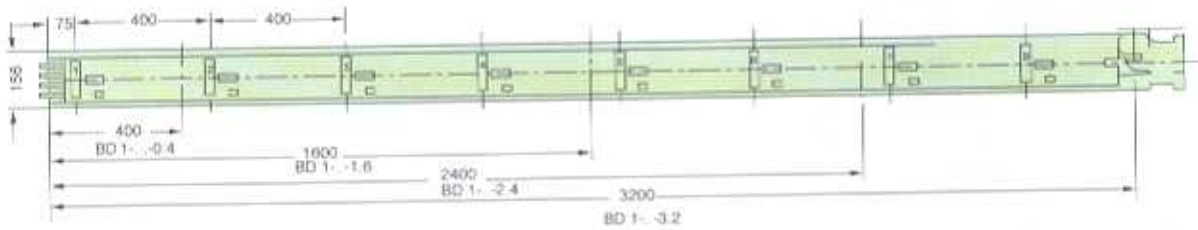
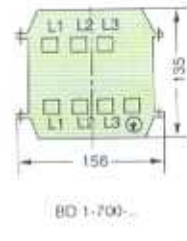
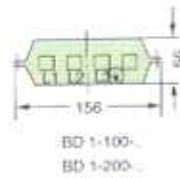
型号 Type	BD1-100	BD1-200	BD1-400	BD1-700
符合标准 Specifications	IEC 439-1和2,BSS,VTE,VDE,AET,NBN,DENKO,NEMKO, SEMKO, FIN IEC 439-part1 and 2,BSS,VTE,VDE,AET,NBN,DENKO,NEMKO, SEMKO, FIN			
环境温度 (最大) °C Ambient temperature (max)	-5/+40 (24h平均温度不大于35°C) -5/+40(35°C average over 24 h)			
安装方式 Mounting position	标准平卧悬挂 (或侧立式固定在墙上), 垂直安装 Flat suspension or edgewise fixing on walls; Vertical installation			
防护等级 Degree of protection	IP43 (插口朝下) (Tape off holes down)			
额定绝缘电压 U_e V Rated insulation voltage	AV	690V	500-600	
额定工作电压 U_i V Rated operational voltage	AV	690V	500-600	
额定电流 I_n A Rated current	140	250	400	700
频率 Hz Frequency	$16^{2/3} \dots 60$			
额定短时耐受电流 $I_{th}(1s)$ kA (有效值) Rated short-time withstand current	3.7	8	19.5	29
额定峰值电流 I_p kA Rated peak current	12	52.5	67	94.5
阻抗 (50Hz, 母排温度20°C) Impedance at 50Hz and busbar temperature of 20°C				
电阻 Resistance R_{20} mΩ/m	0.66	0.30	0.14	0.06
感抗 Reactance X_{20} mΩ/m	0.19	0.20	0.13	0.05
总阻抗 Total Z_{20} mΩ/m	0.69	0.36	0.19	0.08

插接箱 Tap-off units	型号 Type	BD1-AT...				BD1-GSTZ...		
		25	2 × 25	60	140	00	1	2
额定电流 Rated current	I_n A	25	50	60	140	140	250	350

直线段

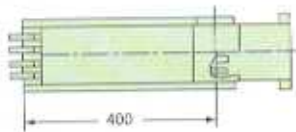
Straight trunking Units

型号 Type	重量(kg) Weight
BD 1-100/200/400/700-3.2	14/21/35/53
BD 1-100/200/400/700-2.4	13/16/27/40
BD 1-100/200/400/700-1.6	11/13/22/27
BD 1-100/200/400/700-0.8	3.5/4/6.5/8



膨胀节

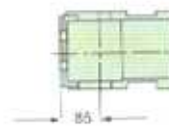
Expansion compensation unit



型号 Type	重量(kg) Weight
BD 1-100-0.4-D (-e)	3.5
BD 1-200-0.4-D (-e)	4
BD 1-400-0.4-D (-e)	6.5
BD 1-700-0.4-D (-e)	8

终端法兰

End flange



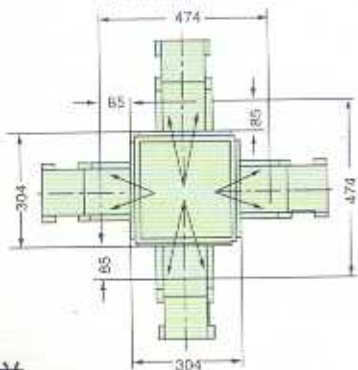
型号 Type	重量(kg) Weight
BD 1-EF 100/200	1.2
BD 1-EF 400	1.5
BD 1-EF 700	1.8

换向单元

Junction and branch units

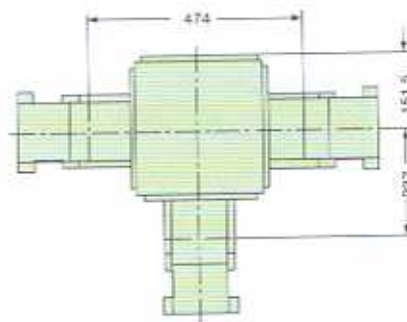
十字型单元 Cross unit

型号 Type	重量(kg) Weight
BD 1-K 100(-e)	19
BD 1-K 200(-e)	21
BD 1-K 400(-e)	23



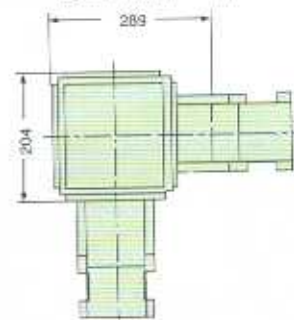
T型单元 T unit

型号 Type	重量(kg) Weight
BD 1-T 100(-e)	17
BD 1-T 200(-e)	18
BD 1-T 400(-e)	20



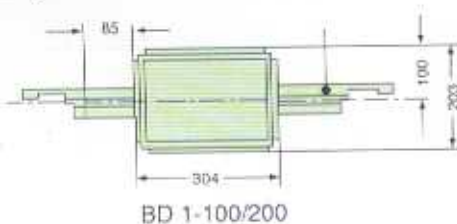
L型单元 L unit

型号 Type	重量(kg) Weight
BD 1-L 100(-e)	8
BD 1-L 200(-e)	8.5
BD 1-L 400(-e)	9
BD 1-L 700(-e)	10



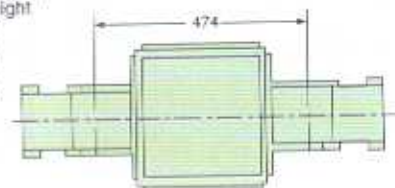
法兰

Flange



Z型单元 Z unit

型号 Type	重量(kg) Weight
BD 1-Z 100(-e)	14
BD 1-Z 200(-e)	15
BD 1-Z 400(-e)	16



馈电单元

Feeder units

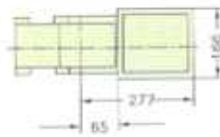
终端馈电单元

End feeder units

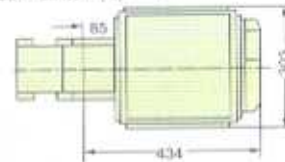
型号 Type	重量(kg) Weight
BD 1-EE 100(-e)	3.0



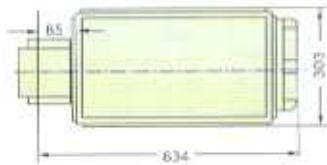
型号 Type	重量(kg) Weight
BD 1-EE 100a(-e)	2.0
BD 1-EE 200(-e)	3.0



型号 Type	重量(kg) Weight
BD 1-EE 100b(-e)	12
BD 1-EE 200a(-e)	14

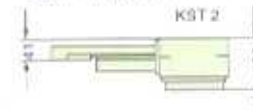


型号 Type	重量(kg) Weight
BD 1-EE 400a(-e)	30
BD 1-EE 200(-e)	30

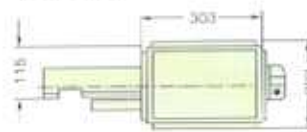


法兰 Flange

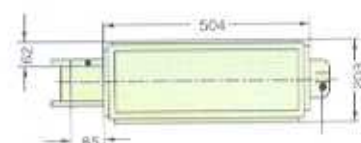
BD1-100/200



BD1-400



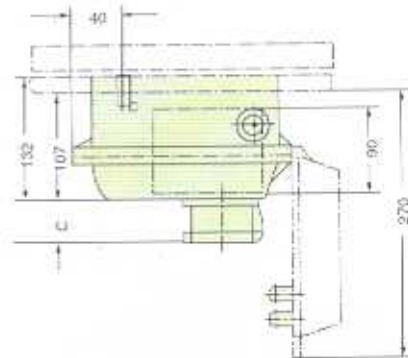
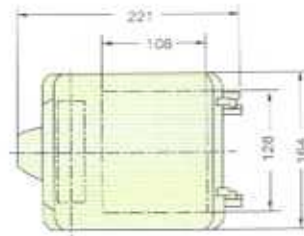
BD1-700



插接箱

Tap-off units

型号 Type	重量(kg) Weight
BD 1/AT 25 (60) (M) (-e)	1.5/1.6/1.4
BD 1/2AD-15	1.6
BD 1/AP 5-15	1.7
BD 1/CEE 16	1.8
BD 1/CEE 32	1.8
BD 1-CEE 63	4.4



BD 1/2AD-15	C=15.5mm
BD 1/AP5-15	C=26mm
BD 1/CEE16	C=43.5mm
BD 1/CEE32	C=64.5mm
BD 1-CEE63	C1=165mm

BD 1-AT140M (带断路器)

