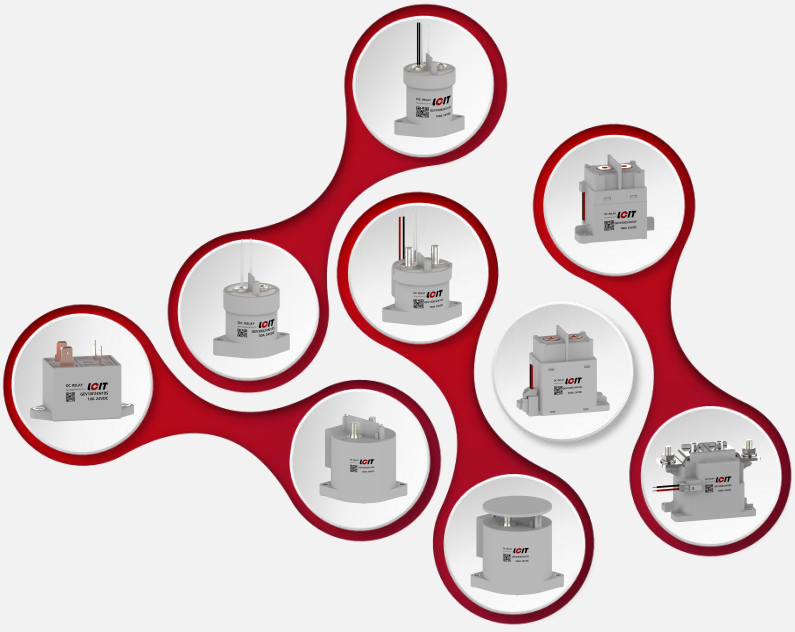
EV高压直流继电器
EV HIGH VOLATGE DC RELAY

新随我动掣电而行

专注新能源车辆及充放电设施、风光储能系统等领域



1000A GEV1000E2 11

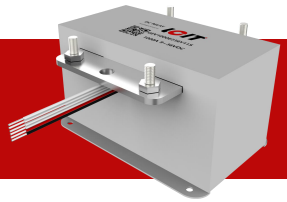
www.lcitind.com

GEV1000E2 11 Series

高压直流继电器
HIGH VOLATGE DC RELAY

应用领域 Application field

高压直流 High voltage direct current	**工商业车辆，通讯 、低速车辆、家庭储能、5G通讯 、充换电站** Industrial and commercial vehicles, communications, low-speed vehicles, home energy storage, 5G communications, charging and changing power stations **电动汽车、环卫车辆、充电桩、光伏、工商业储能、重卡、岸电** Electric vehicles, sanitation vehicles, charging piles, photovoltaic, industrial and commercial energy storage, heavy trucks, shore power



线圈参数 Coil parameter：20˚C 【±10%】

额定电压 Rated voltage	吸合电压 Pick-up voltage	释放电压 release voltage	最大吸合电压 Maximum pick-up voltage	最大动作电流 Maximum operating current	最小保持电压 Minimum holding voltage	平均保持电流 Mean holding current
24 Vdc	18 Vdc	12 Vdc	32 Vdc	3.0 A	13.5 Vdc	0.45 A
9-36 Vdc	9 Vdc	7 Vdc	36 Vdc	7.2 A	7.5 Vdc	0.9A@12V 0.5A@24V
36-60 Vdc	32 Vdc	18 Vdc	60 Vdc	4.5 A	22 Vdc	0.3A@36VDC 0.2A@48VDC 0.2A@60VDC

性能参数 Performance parameter：20˚C

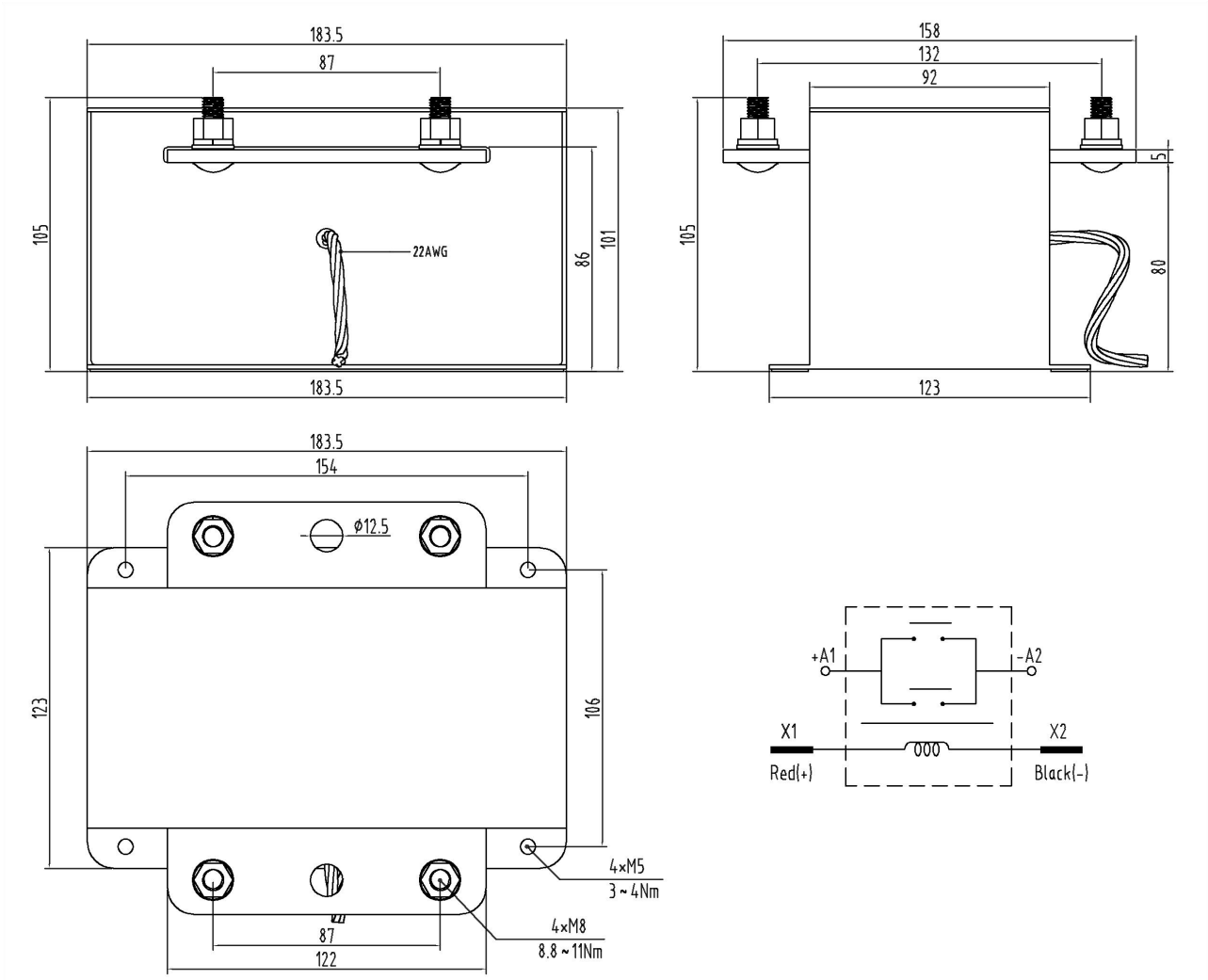
主触点形式 Main contact form	SPST-NO
辅助触点 Auxiliary contact	DPDT-NO
负载电压 Load voltage	12～110Vdc
负载电流 Load current	1000A
短时耐受电流及时间 Short-time withstand current and time	1500A 900Sec.
最大分断电流 Maximum breaking current	800A 110VDC/1000A 110VDC
接触电阻（初始） Contact resistance (Inception)	⩽ 1mΩ（at 1000A）
吸合时间 Pickup time	Max. 50ms
弹跳时间 Bounce time	Max. 5ms
释放时间 Release time	<20ms
机械耐久性 Mechanical Endurance	2×10^5 次
电耐久性 （阻性负载） Electrical durability (Resistive load)	110VDC 2×10^3 次 110VDC 5×10^2 次 600A 110VDC 1×10^2 次
辅助触头最大负载 Maximum load on auxiliary contacts	2A, 30VDC / 3A, 125VAC
辅助触头最小负载 Minimum load on auxiliary contacts	100mA, 8VDC
辅助触头接触电阻 Auxiliary contact contact resistance	0.50Ω @ 30VDC / 0.15Ω @ 125VAC
介质耐压触点与线圈间 Between dielectric withstand voltage contact and coil	4500VAC 1min
介质耐压断开触点间 Between dielectric withstand voltage breaking contacts	4500VAC 1min
振动 Vibration	10Hz～500Hz 49m/s²
冲击稳定性 Impact stability	196m/s²
冲击强度 Impact strength	490m/s²
湿度 humidness	5%～85%RH
温度 temperature	-40℃～85℃
海拔高度 altitude	⩽ 4000m
重量 weight	约about 3800g

订货标记示例 Order mark example

GEV	1000	E2	36	Y	11	S
LCIT企业 EV继电器代码 LCIT enterprise EV relay code	额定电流A Rated current A	壳体编码 Shape coding	线圈电压 Coil voltage 24:24vdc 36:9-36vdc 60:36-60vdc	辅助触点 Auxiliary contact N = None Y=DPDT-NO D=DPDT-NC	负载电压 Load voltage 11=12-110VDC	主触点极性 Main contact polarity S=有 have B=无 none

外形尺寸、接线图、安装孔尺寸

Overall dimensions, wiring diagram, mounting hole dimensions



1. 产品部分外形尺寸未注尺寸公差，
   当外形尺寸≤10mm，公±0.3mm；
   当外形尺寸　在(10 ~ 50)mm之间时，公差为±0.5mm；
   当外形尺寸≥50mm，公差为±0.8mm。
2. 公差仅供参考，当与实物不一致时，请以实物尺寸为准。

1. No dimensional tolerances have been noted in the overall dimensions of some products.
   When the overall size is ≤10mm, the tolerance is ±0.3mm;
   When the overall size is between (10 ~ 50)mm, the tolerance is ±0.5mm;
   When the overall size is ≥50mm, the tolerance is ±0.8mm.
2. Tolerance is for reference only, when inconsistent with the real size, please refer to the real size.

订货标记示例 Order mark example

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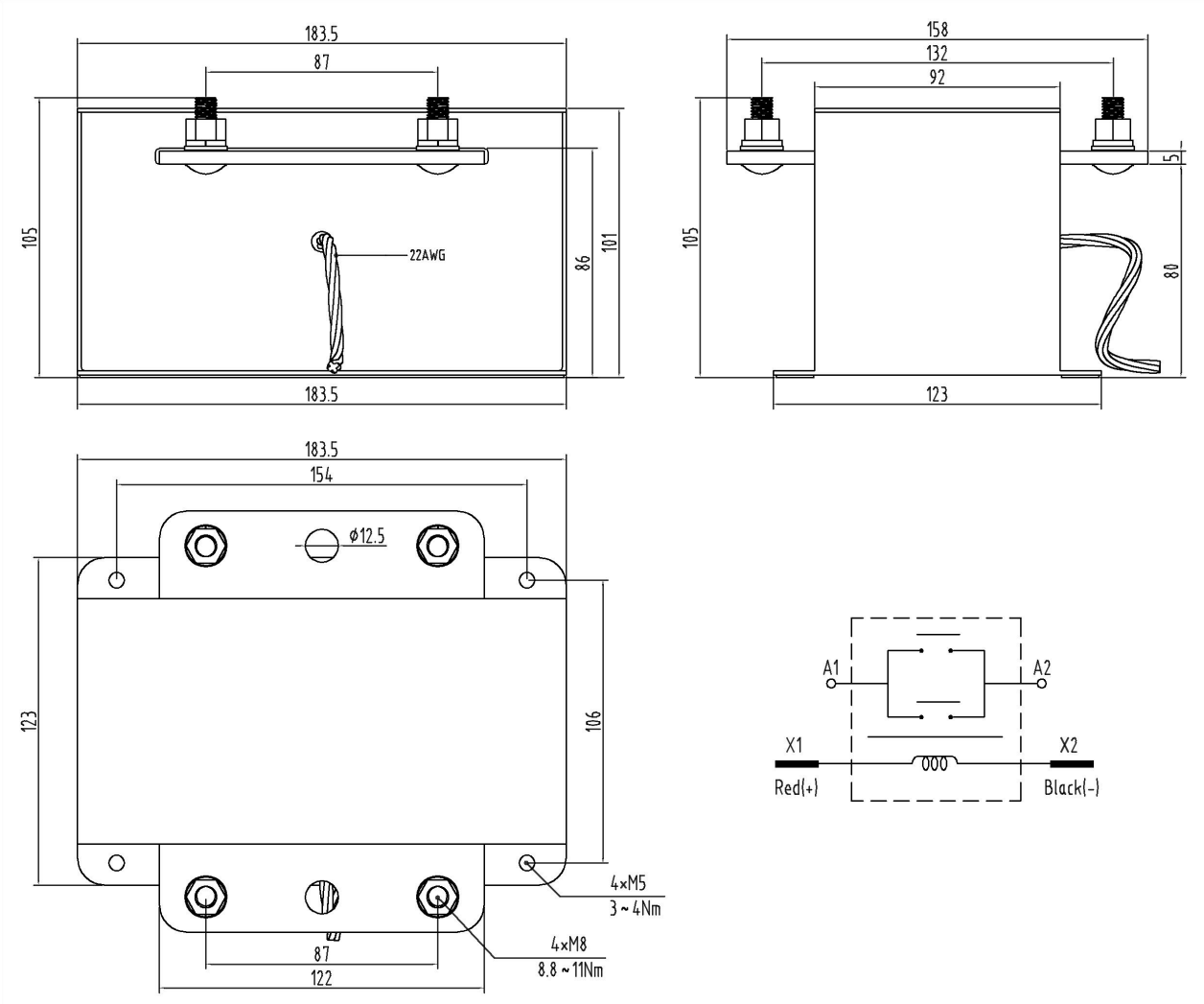

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