

DISCHARGING



**eltex**

electrostatic  
innovations



**COMPACT POWER ES24**



## COMPACT POWER ES24

### Efficient, adaptable, smart

Small and compact in size, this unit stands out against conventional transformer solutions both in its small dimensions and low weight. Independent from international variations in line voltages, COMPACT POWER ES24 delivers ultimate flexibility in use. This power supply can be used for all Eltex discharging bars and blower nozzles in non-hazardous areas.

With the optional CANopen® interface, the discharging system can easily be integrated into higher-ranking machine controls. Via the interface operating parameters can be modified and monitored and the unit can be switched ON/OFF.

Error messages are either visually displayed on the device or output via CANopen® or potential-free contact.

### Ready for action in many industries

This mini power supply is not only extremely powerful but also highly versatile in use: in the plastics industry (e.g. in converting), in printing (flexo and digital printing, print finishing) and in many other production sectors such as the packaging industry, electronics industry, textile industry, etc.



*This powerful mini power supply unit is so small that it can be easily mounted virtually anywhere. Connecting options for more bars or blower nozzles/heads via a high voltage distributor.*



### COMPACT POWER ES24

- 24 VDC supply voltage
- two high voltage connectors
- connecting options for more bars or blower nozzles/heads via distributor ESV61
- compact and robust design
- optical control display
- class IP40 protection
- stable 5 kV AC output voltage
- bus interface CANopen®



## COMPACT POWER ES24

### Technical specifications

|  |  |
|--|--|
| Supply voltage                               | 24 V DC +/- 10 %   |
| Power input                                  | 15 VA max.   |
| Output voltage                               | 5 kV AC / 100 Hz   |
| Loading capacity                             | depending on bar length and length of high voltage cable   |
| Output current                               | max. 2.0 mA at 5 kV  |
| Ambient operating temp.                      | 0...+40°C (+32...+104°F)   |
| Storage temperature                          | 0...+70°C (+32...+158°F)   |
| Ambient humidity                             | max. 80% r. h., non-dewing   |
| Bus interface                                | CANopen® (depending on version)  |
| Optical indicator                            | LED on housing:<br>green: high voltage active<br>yellow: CANopen® state (depending on version)<br>red: malfunction |
| Mains power                                  | socket contact with plug, power supply as optional accessory   |
| Ground link                                  | grounding terminal on housing  |
| High voltage connection                      | 2 plug-type high voltage connections   |
| High voltage distributor<br>ESV61 (optional) | 4 plug-type high voltage connections<br>(1 high voltage cable, 4 outputs)  |
| Function and error<br>messages signal        | 1 potential-free contact; max. 24 V DC / 0.5 A   |
| Enclosure                                    | plastic with wall-mounted bracket  |
| Dimensions                                   | 60 x 155 x 90 mm (H x W x D) (see figure)  |
| Protection class                             | ES24/C:IP40 according to EN 60529<br>ES24/O:IP54 according   |
| UL Approval                                  | File No. E227156   |



### Dimensions

