

variables/V-color

Magnetic Tool | E Series | ELAY30X5 Smart Tool



magswitch

HW: ELAY30X5_##

SW: ELAY30X5_##

P/N: 81401338

Baud Rate: 250kBd

24V+/-5% DC 2.5A

Node ID:

Patent Pending



Feature

ELAY30X5 Smart Tool

Weight	5.70 kg
Max Breakaway ¹	223.00 kg
Working Load ²	55.75 kg
Optimal material thickness	0.40 mm
Max shear	44.60 kg
Overall Height	169.63 mm
Magnetic pole footprint	186.2x41 mm

¹ Safety factor 2:1

² Safety factor 4:1

Notice : The provided technical data are the higher limits recommended in static condition. To obtain the correct dimensioning of the product, it is necessary to hold account of all the applicable dynamic forces, including the inertia of the manipulator, the configuration of the tools and the external forces applied.

Electrical actuation, variable field output, integrated sensors

Finally, the electrical control of magnets integrated into the brand-new E series. It combines Magswitch's patented magnetic technology and SMART features with electrical switching. This provides a new functionality of Variable Field Output (VFO), allowing for de-stacking of thin parts or optimizing performance for your target piece. Once the part is clear of adjacent parts, the tool can be fully switched for maximum performance.



Advantages

- Electrical actuation of PERMANENT magnets
- Fail safe when actuated at 100%
- Destack, bin pick target parts with different thickness or sizes with one single tool
- Control via CANOpen and power supply through a single M12 connector



Benefits

- Limited maintenance costs
- Limited peripheral equipment costs
- Very low power consumption
- Reduced cycle time
- Controlled integration costs



expertise in connectivity