



SQM Series

Rectangular Electromagnet



Description

- Direct contact with holding surface without gaps.
- Target object must be flat and clean.
- Target area > 8mm; thinner targets reduce holding force.
- Use correct power supply with rated voltage (DC 24V).
- Avoid dry firing (no load) during operation to prevent overheating.
- Target must be highly magnetic (e.g., electrical iron, low-carbon steel).

Specifications

Code

SQM - P - □ - □ - □
Model L W H

Model	Voltage (V)	Current (mA)	Power (W)	Dimensions (mm)	Hole Pitch (mm)	Thread	Theoretical Force (kg)
P-30-20-20	24	100	27	30/20/20	10	M4*2	4
P-40-20-20	24	120	15	40/20/20	18	M4*2	10
P-50-25-20	24	150	20	50/25/20	25	M5*2	25
P-50-25-25	24	160	25	50/25/25	25	M5*2	30
P-60-30-25	24	200	25	60/30/25	30	M6*2	40
P-60-30-30	24	220	25	60/30/30	30	M8*2	40
P-70-35-30	24	320	30	70/35/30	35	M8*2	80
P-80-40-30	24	420	34	80/40/30	40	M8*2	90
P-90-40-30	24	450	30	90/40/30	45	M8*2	100
P-100-35-30	24	400	38	100/35/30	50	M6*2	100
P-100-50-40	24	600	40	100/50/40	50	M8*2	150



Model	Voltage (V)	Current (mA)	Power (W)	Dimensions (mm)	Hole Pitch (mm)	Thread	Theoretical Force (kg)
P-120-40-30	24	450	10.8	120/40/30	50	M8*2	150
P-120-50-40	24	660	15.8	120/50/40	70	M8*2	240
P-120-60-50	24	1000	24	120/60/50	70	M8*2	280
P-150-50-50	24	660	15.8	150/50/50	80	M10*2	280
P-150-60-50	24	1500	36	150/60/50	80	M10*2	400
P-200-80-60	24	2500	60	200/80/60	100	M12*2	800

Notes

- For DC 5V/6V, do not use lithium, USB, or dry batteries.
- Switching power supply recommended for stable output.
- Higher voltage (within rated limit) increases holding force.
- Install electromagnet and cables in a well-ventilated area.
- Keep operating temp. below 80°C to ensure lifespan.
- Holding force may vary based on material, surface flatness, oil/dirt, motion speed, workpiece size, and thickness.

