

CR3S COLLABORATIVE ROBOT

Lightweight Cobot with SafeSkin

The CR3S has a compact design for quick deployment into tight spaces. Equipped with SafeSkin for pre-collision detection, CR3S allows for efficient human-machine collaboration.

Weight		16.5 kg
Maximum Payload		3 kg
Working Radius		620 mm
Max Reach		795 mm
Rated Voltage		48V DC
Maximum Speed of TCP		2 m/s
Joint Ranges	J1	±360°
	J2	±360°
	J3	±155°
	J4	±360°
	J5	±360°
	J6	±360°
Maximum Speed of Joints	J1/J2	180° /s
	J3/J4/J5/J6	180° /s
End-Effector I/O Interface	DI/DO/AI	2
	AO	0
Communication Interface	Communication	RS485
Controller I/O	DI	16
	DO/DI	16
	AI/AO	2
	ABZ Incremental Encoder	1
Repeatability		±0.02 mm
Communication		TCP/IP, Modbus, Wi-Fi
IP Rating		IP54
Temperature		0° ~ 45° C
Power		120W
Materials		Aluminum alloy, ABS plastic



APPLICATION SCENARIOS

- Loading and unloading
- Assembly
- Bin Picking
- Gluing
- Quality Inspection
- Screwdriving
- Transporting

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