

OVERVIEW OF TECHNICAL DATA



COLLABORATIVE ROBOT

EC63



TECHNICAL DATA

Robot type	EC63 - 6 Axis
Weight	13 kg
Maximum payload	3 kg
Reach	624 mm
Joint speed	144°/s to 224°/s
TCP speed	1 m/s (Max. 2,0 m/s)
Repeated positioning accuracy	0.03 mm
Control box IO	16 digital in, 16 digital out, 2 analog in and 4 analog out
Tool IO	2 digital in, 2 digital out, 1 analog in and 1 analog out
IO power supply	The control box is 24V 2A, and the tool end is 24V 0.8A
Communication with control box	TCP/IP 100Mbit, IEEE 802.3u, 100BASE-TX, compatible with Modbus TCP. RS485, compatible with Modbus RTU.
Tool Communication	RS485
Protection class	IP54
Typical power consumption	150 W
Working Temperature	0-50°C
Power supply	85-265VAC, 50-60Hz / 18-72VDC
Anticipated service life	25 000 hours

COLLABORATIVE ROBOT

EC66



TECHNICAL DATA

Robot type	EC66 - 6 Axis
Weight	17,5 kg
Maximum payload	6 kg
Reach	914 mm
Joint speed	144°/s to 224°/s
TCP speed	1 m/s (Max. 2,8 m/s)
Repeated positioning accuracy	0.03 mm
Control box IO	16 digital in, 16 digital out, 2 analog in and 4 analog out
Tool IO	2 digital in, 2 digital out, 1 analog in and 1 analog out
IO power supply	The control box is 24V 2A, and the tool end is 24V 0.8A
Communication with control box	TCP/IP 100Mbit, IEEE 802.3u, 100BASE-TX, compatible with Modbus TCP. RS485, compatible with Modbus RTU.
Tool Communication	RS485
Protection class	IP54
Typical power consumption	250 W
Working Temperature	0-50°C
Power supply	85-265VAC, 50-60Hz / 18-72VDC
Anticipated service life	25 000 hours

COLLABORATIVE ROBOT

EC612



TECHNICAL DATA

Robot type	EC612 - 6 Axis
Weight	31 kg
Maximum payload	12 kg
Reach	1304 mm
Joint speed	120°/s to 224°/s
TCP speed	1 m/s (Max. 3,2 m/s)
Repeated positioning accuracy	0.03 mm
Control box IO	16 digital in, 16 digital out, 2 analog in and 4 analog out
Tool IO	2 digital in, 2 digital out, 1 analog in and 1 analog out
IO power supply	The control box is 24V 2A, and the tool end is 24V 0.8A
Communication with control box	TCP/IP 100Mbit, IEEE 802.3u, 100BASE-TX, compatible with Modbus TCP. RS485, compatible with Modbus RTU.
Tool Communication	RS485
Protection class	IP54
Typical power consumption	500 W
Working Temperature	0-50°C
Power supply	85-265VAC, 50-60Hz / 18-72VDC
Anticipated service life	25 000 hours

COLLABORATIVE ROBOT

EC75



TECHNICAL DATA

Robot type	EC75 - 7 Axis
Weight	22,5 kg
Maximum payload	5 kg
Reach	905 mm
Joint speed	130°/s to 224°/s
TCP speed	1 m/s
Repeated positioning accuracy	0.02 mm
Control box IO	16 digital in, 16 digital out, 2 analog in and 4 analog out
Tool IO	2 digital in, 2 digital out, 1 analog in and 1 analog out
IO power supply	The control box is 24V 2A, and the tool end is 24V 0.8A
Communication with control box	TCP/IP 100Mbit, IEEE 802.3u, 100BASE-TX, compatible with Modbus TCP. RS485, compatible with Modbus RTU.
Tool Communication	RS485
Protection class	IP54
Typical power consumption	300 W
Working Temperature	0-50°C
Power supply	85-265VAC, 50-60Hz / 18-72VDC
Anticipated service life	25 000 hours

INDUSTRIAL ROBOT - SCARA

EI43-G40



TECHNICAL DATA

Robot type		SCARA EI43-G40
Weight		20 kg
Number of axes		4 Axis
Maximum payload		3 kg
Reach		400 mm
TCP speed		4,9 m/s
Repeated positioning accuracy	J1+J2	+/- 0,01 mm
	J3	+/- 0,01 mm
	J4	+/- 0,005"
Range of axes	J1	+/- 138°
	J2	+/- 140°
	J3	150 mm
	J4	+/- 360°
speed of axes	J1	480°/s
	J2	480°/s
	J3	1,1 m/s
	J4	1334"/s
Working Temperature		0-45°C
Working Humidity		10%-80% RH

INDUSTRIAL ROBOT - UNIVERSAL

EI65-G71



TECHNICAL DATA

Robot type		EI65-G71
Weight		41,6 kg
Number of axes		6 Axis
Maximum payload		5 kg
Reach		713 mm
Repeated positioning accuracy		0,03 mm
TCP speed		4,9 m/ s
Range of axes	J1	+/- 170°
	J2	+ 115°, - 125°
	J3	+ 185°, - 65°
	J4	+/- 160°
	J5	+/- 120°
	J6	+/- 360°
speed of axes	J1	320°/s
	J2	320°/s
	J3	400°/s
	J4	420°/s
	J5	420°/s
	J6	720°/s
Working Temperature		0-45°C
Working Humidity		10%-80% RH

INDUSTRIAL ROBOT - WELDING

EI66-A140



TECHNICAL DATA

Robot type		EI66-A140
Weight		41,6 kg
Number of axes		6 Axis
Maximum payload		6 kg
Reach		1400 mm
Repeated positioning accuracy		0,08 mm
TCP speed		4,9 m/ s
Range of axes	J1	+/- 170°
	J2	+ 160°, - 103°
	J3	+ 116°, - 160°
	J4	+/- 150°
	J5	+ 150°, - 137°
	J6	+/- 330°
speed of axes	J1	320°/s
	J2	320°/s
	J3	400°/s
	J4	420°/s
	J5	420°/s
	J6	720°/s
Working Temperature		0-45°C
Working Humidity		10%-80% RH

INDUSTRIAL ROBOT - UNIVERSAL

EI610-G160



ELITE ROBOT
EI610-G160
10 kg/ 1671 mm

TECHNICAL DATA

Robot type		EI610-G160
Weight		250 kg
Number of axes		6 Axis
Maximum payload		10 kg
Reach		1671 mm
Repeated positioning accuracy		0,05 mm
TCP speed		4,9 m/ s
Range of axes	J1	+/- 172°
	J2	+ 35°, - 180°
	J3	+ 83°, - 92°
	J4	+/- 167°
	J5	+/- 125°
	J6	+/- 360°
speed of axes	J1	172°/s
	J2	172°/s
	J3	183°/s
	J4	430°/s
	J5	430°/s
	J6	584°/s
Working Temperature		0-45°C
Working Humidity		20%-80% RH

INDUSTRIAL ROBOT - UNIVERSAL

EI620-G166



ELITE ROBOT
EI620-G166
20 Kg/ 1671mm

TECHNICAL DATA

Robot type		EI620-G166
Weight		270 kg
Number of axes		6 Axis
Maximum payload		20 kg
Reach		1671 mm
Repeated positioning accuracy		0,05 mm
TCP speed		4,9 m/ s
Range of axes	J1	+/- 172°
	J2	+ 35°, - 180°
	J3	+ 83°, - 92°
	J4	+/- 170°
	J5	+/- 125°
	J6	+/- 360°
speed of axes	J1	150°/s
	J2	150°/s
	J3	150°/s
	J4	281°/s
	J5	292°/s
	J6	372°/s
Working Temperature		0-45°C
Working Humidity		20%-80% RH

INDUSTRIAL ROBOT - UNIVERSAL

EI650-G201



TECHNICAL DATA

Robot type		EI650-G201
Weight		580 kg
Number of axes		6 Axis
Maximum payload		50 kg
Reach		2012 mm
Repeated positioning accuracy		0,07 mm
TCP speed		4,9 m/ s
Range of axes	J1	+/- 180°
	J2	+ 45°, - 180°
	J3	+ 82°, - 205°
	J4	+/- 360°
	J5	+/- 120°
	J6	+/- 360°
speed of axes	J1	155°/s
	J2	120°/s
	J3	155°/s
	J4	245°/s
	J5	245°/s
	J6	350°/s
Working Temperature		0-45°C
Working Humidity		20%-80% RH