

# Pin assignment Co-act EGP-C gripper to robot controllers

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## NOTE

The notes and information in the enclosed installation and operating manual must be observed. If required the manual can be downloaded from our website [www.schunk.com](http://www.schunk.com).

### Co-act EGP-C | Variant –KETI for KUKA LBR iiwa with Media flange Inside electrical

	Pin number gripper	Function	KUKA-plug of Inside electrical	KUKA-plug X76
Plug 1 – Digital I/O	1	Sensor 2	13 CTR_2_5	5
	2	Sensor 4 (optional)	16 CTR_3_8	8
	3	Sensor 3 (optional)	15 CTR_3_7	7
	4	Close gripper	9 CTR_1_1	1
	5	Digital input DI 2	14 CTR_2_6	6
	6	Digital input DI 1	11 CTR_1_3	3
	7	Open gripper	10 CTR_1_2	2
	8	Sensor 1	12 CTR_2_4	4
Plug 2 - Power	1	GND	8 GND2	B
	2	+24 VDC	7 POWER2	A
	3	+24 VDC	7 POWER2	A
	4	GND	8 GND2	B
	5	GND	8 GND2	B
	6	+24 VDC	7 POWER2	A

### Co-act EGP-C | Variant –KTOE for KUKA LBR iiwa with Media flange Touch electrical

Pin number M12, 12 poles	Colour of strands	Function	KUKA connection X3
1	Brown	Close gripper	MF_Output_0
2	Blue	Digital input DI 2	MF_Output_3
3	White	Sensor 4 (optional)	MF_Input_3
4	Green	n.c.	MF_Input_4
5	Rose	GND	GND_24V
6	Yellow	n.c.	GND_24V
7	Black	+24 VDC	Output_VCC
8	Grey	n.c.	Output_VCC
9	Red	n.c.	Output_VCC
10	Violet	Sensor 1	MF_Input_0
11	Grey / Rose	Open gripper	MF_Output_1
12	Red / Blue	Digital input DI 1	MF_Output_2
13	White / Green	Sensor 3 (optional)	MF_Input_2
14	Brown / Green	n.c.	GND_24V
15	White / Yellow	n.c.	Output_VCC
16	Yellow / Brown	Sensor 2	MF_Input_3
17	White / Grey	n.c.	GND_24V

## Co-act EGP-C | Variant –URID for UR 3/5/10 with usage of the tool connector

Pin number M8, 8 poles	Colour of strands	Function	UR- Tool connector
1	White	n.c.	AI2
2	Brown	n.c.	AI3
3	Green	Sensor 2	DI9
4	Yellow	Sensor 1	DI8
5	Grey	+24 VDC	12/24V
6	Rose	Close gripper	DO9
7	Blue	Open gripper	DO8
8	Red	GND	GND

### NOTE

The variants -UREK and -FCR7 have a cable with open strands. The cable can be connected directly to the robot control. The variant -FCR7 also offers the option of using the EE-interface on robot axis 4. If using the EE-interface the light band cannot be controlled.