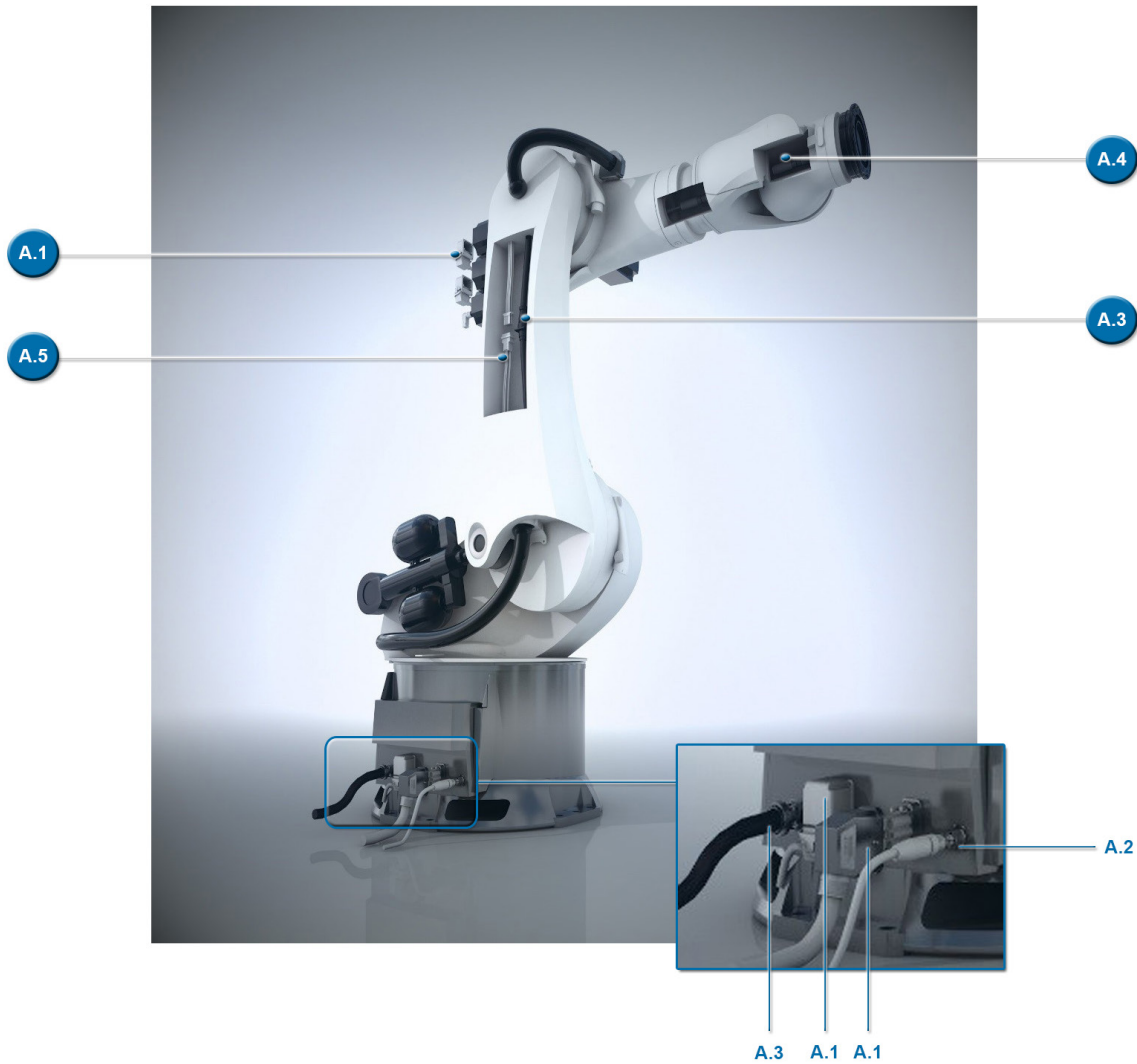


ROBOT ARM

Cheat sheet

Overview



Robot arm solutions

The considerable high rate of automation of the automotive industry is the main driver behind robot developments, although other sectors like the electronics and plastics industries are also increasingly using robots. This drives the demand for versatile, flexible and intelligent end-of-arm tooling that adds value to the overall production system. TE connectivity offers cutting edge solutions for automatically controlled, multipurpose robotics, meeting the requirements of the different end-markets.

Robot arm preferred partnumber list

Input / Output



PREFERRED PN DESCRIPTION FULL PARTNUMBER

HEAVY DUTY CONNECTOR

A.1	HDC HEAVY DUTY RIGHT ANGLE HOUSING HEAVY DUTY HOOD HEAVY DUTY FEMALE CONTACT INSERT HEAVY DUTY MALE CONTACT INSERT	8-1108772-2 1106430-5 1-1103637-1 1-1103636-1
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CIRCULAR INDUSTRIAL

A.2	M12XCODE M12 X-CODE PLUG CABLE ASSY DOUBLE ENDED 1MTR...10MTR M12 X-CODE REAR PANEL MOUNT WIRE RECEPTACLE M12 X-CODE REAR PANEL MOUNT PCB RECEPTACLE M12 X-CODE MALE CONNECTOR INSTALLABLE (IDC)	2241021-1 2271195-1 2232331-1 2120952-1
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PROFINET

A.2	M8/M12 M12 MALE 4PIN D-CODE STRAIGHT MOUNTED M12 MALE 4PIN D-CODE SHIELDED 5-8MM M12 FEMALE 4PIN D-CODE STRAIGHT MOUNTED M12 FEMALE 4PIN D-CODE SHIELDED 5-8MM M12 MALE 8PIN X-CODE FIELD INSTALL. M12 FEMALE 8PIN X-CODE REAR PANEL MOUNT WIRE RECEPTACLE M12 FEMALE 8PIN X-CODE REAR PANEL MOUNT PCB RECEPTACLE	3-2271142-2 3-2271115-2 3-2271145-2 3-2271121-2 2120952-1 2271195-1 2232331-1
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PROFIBUS

A.2	M8/M12 M12 MALE 4PIN A-CODE STRAIGHT PCB MOUNTED M12 MALE 4PIN A-CODE PANEL MOUNTED WITH WIRES M12 MALE 4PIN A-CODE SHIELDED 5-8MM M12 FEMALE 4PIN A-CODE PANEL MOUNT WIRE RECEPTACLE M12 FEMALE 4PIN A-CODE STRAIGHT PCB MOUNTED M12 FEMALE 4PIN A-CODE STRAIGHT F. INSTALL SHIELDED 6-8MM M12 MALE 5PIN B-CODE STRAIGHT PCB MOUNTED M12 MALE 5PIN B-CODE PANEL MOUNTED WITH WIRES M12 MALE 5PIN B-CODE SHIELDED 5-8MM M12 FEMALE 5PIN B-CODE STRAIGHT PCB MOUNTED M12 FEMALE 5PIN B-CODE STRAIGHT F. INSTALL SHIELDED M12 FEMALE 5PIN A-CODE PANEL MOUNTED WITH WIRES M8 MALE 4PIN STRAIGHT FIELD INSTALL. UNSHIELDED 3.5-5MM M8 MALE 4PIN PANEL MOUNT, LI 200MM M8 FEMALE 4PIN STRAIGHT FIELD INSTALL. UNSHIELDED 3.5-5MM M8 FEMALE 4PIN PANEL MOUNT, LI 200MM	3-2271140-2 3-2271134-2 3-2271113-2 3-2271137-2 3-2271143-2 3-2271117-2 4-2271141-2 4-2271135-2 4-2271113-2 4-2271144-2 4-2271119-2 4-2271138-2 2120954-1 2120958-1 2120956-1 2120959-1
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I/O LINK

A.2	M8/M12 M12 MALE 5PIN A-CODE STRAIGHT PCB MOUNTED M12 MALE 5PIN A-CODE PANEL MOUNTED WITH WIRES M12 MALE 5PIN A-CODE SHIELDED 5-8MM M12 FEMALE 5PIN A-CODE PANEL MOUNT WIRE RECEPTACLE M12 FEMALE 5PIN A-CODE STRAIGHT PCB MOUNTED M12 FEMALE 5PIN A-CODE STRAIGHT F. INSTALL SHIELDED 6-8MM M8 MALE 5PIN STRAIGHT FIELD INSTALL. UNSHIELDED 3.5-5MM M8 MALE 5PIN PANEL MOUNT, LI 200MM M8 FEMALE 5PIN STRAIGHT FIELD INSTALL. UNSHIELDED 3.5-5MM M8 FEMAL 5PIN E PANEL MOUNT, LI 200MM	4-2271140-2 4-2271134-2 4-2271113-2 4-2271137-2 4-2271143-2 4-2271117-2 1-2120954-1 1-2120958-1 1-2120956-1 1-2120959-1
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CIRCULAR INDUSTRIAL

A.3	CPC CIRCULAR PLASTIC RECEPTACLE HOUSING CIRCULAR PLASTIC PLUG HOUSING CIRCULAR PLASTIC SOCKET CONTACTS SIZE 16 STAMPED CIRCULAR PLASTIC PIN CONTACTS SIZE 16 STAMPED CIRCULAR PLASTIC CABLE CLAMP CIRCULAR PLASTIC HEAT SHRINK BOOT CIRCULAR PLASTIC SEALING CAP CIRCULAR METAL RECEPTACLE HOUSING CIRCULAR METAL PLUG HOUSING CIRCULAR METAL SOCKET CONTACTS SIZE 16 STAMPED CIRCULAR METAL PIN CONTACTS SIZE 16 STAMPED CIRCULAR METAL CABLE CLAMP CIRCULAR METAL SEALING CAP	206061-1 206060-1 66100-9 66098-9 1-206062-4 54010-1 206903-2 208489-1 208488-1 66100-9 66098-9 208945-7 211903-1
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Ariso contactless connectivity



PREFERRED PN DESCRIPTION FULL PARTNUMBER

ARISO

A.4	ARISO ARISO TXM030S012PNP2A; TRANSMITTER, 12 W, 2 PNP ARISO RXM030S012PNP2A; RECEIVER, 12 W, 2 PNP ARISO TXM030S012PNP8A; TRANSMITTER, 12 W, 8 PNP ARISO RXM030S012PNP8A; RECEIVER, 12 W, 8 PNP ARISO RXM030S012PNP8B; RECEIVER, 12 W, 8 PNP	2287598-1 2287598-2 2287598-3 2287598-4 2287598-5
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Cabled power connectors



PREFERRED PN DESCRIPTION FULL PARTNUMBER

DYNAMIC SERIES CONNECTORS

DYNAMIC 1500 SERIES 3.5MM 2ROW STRAIGHT HEADER THT 3.5MM 2ROW STRAIGHT RECEPTACLE HOUSING 3.5MM RECEPTACLE CTW CONTACTS	1-1827581-4 1-1827579-1 1827570-2
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DYNAMIC 3100 SERIES 3.81MM 2ROW STRAIGHT RECEPTACLE HOUSING 3.81MM 2ROW STRAIGHT WIRE TO WIRE HOUSING 3.81MM RECEPTACLE CTW CONTACTS 3.81MM WIRE TO WIRE PLUG CTW CONTACTS	178289-3 178964-3 1318105-1 1318105-1
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DYNAMIC 5200 SERIES 10.16MM 2ROW RIGHT ANGLE HEADER THT 10.16MM 2ROW STRAIGHT RECEPTACLE HOUSING 10.16MM RECEPTACLE CTW CONTACTS	1-1123309-2 1-917807-2 179956-6
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Relays



PREFERRED PN DESCRIPTION FULL PARTNUMBER

A.6	RELAY FORCE GUIDED CONTACT RELAY SR2ZY024 FORCE GUIDED RELAY SR2M V23047-A1024-A511 FORCE GUIDED RELAY SR4 D/M SR4M4024 FORCE GUIDED RELAY SR6 A/B/C/V SR6B4024 (V23050-A1024-A542)	9-1415536-1 1-1393258-7 4-1415053-1 1393260-7
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