

Connectors for Industrial Robots

Internal Connection (Non-Waterproof)

DF60 EnerBee® Rated Current : 65A Max. Rated Voltage : 1000V AC/DC Pitch : 10.16mm No. of Pos. : 1-6 AWG : 8-12	DF62 SignalBee® Rated Current : 4A Max. Rated Voltage : 250V AC/DC Pitch : 2.0 x 2.2 No. of Pos. : 2-7, 13, 24 AWG : 22-30	DF63 EnerBee® Rated Current : 15A Max. Rated Voltage : 630V AC/DC Pitch : 3.96 No. of Pos. : 1-6 AWG : 16-22	BF4M Active Optical Connector with Built in E/O O/E Converter 0.05-6.25Gbps EMI Prevention

Internal Connection (Waterproof)

DF62W SignalBee® IP67 Equivalent (When Mated) Rated Current : 5A Max. Rated Voltage : 250V AC/DC Pitch : 2.0 x 2.2 No. of Pos. : 2-4, 6, 9 AWG : 20-26	DF63W EnerBee® IP67 Waterproof (When Mated) Rated Current : 14A Max. Rated Voltage : 630V AC/DC Pitch : 3.96 x 4.4 No. of Pos. : 2-5 AWG : 16-22

Servo Motor I/O

HR34B IP67/IP68 Waterproof (When Mated) 4pos. Receptacle) Rated Current : 5A Max. No. of Pos. : 4, 10 AWG : 20-25	LF IP67/IP68 Waterproof (When Mated) Rated Current : 10A Max. No. of Pos. : 3, 4, 6, 11, 12, 20 AWG : 16-26	HR08D IP67/IP68 Waterproof (When Mated) Rated Current : 3A Max. No. of Pos. : 2, 10 AWG : 20-25	MT50W Power/Signal Hybrid IP67 Waterproof (When Mated) Rated Current : 3A, 9A (Power) 1A (Signal)

Controller I/O

PQ50 Rated Current : 19A Max. Rated Voltage : 600V AC/DC No. of Pos. : 20 AWG : 14-22	PQ50WA IP67 Waterproof (When Mated) Rated Current : 19A Max. Rated Voltage : 600V AC/DC No. of Pos. : 92 Max. (Selectable Unit) AWG : 14-28	PQ50WT IP67 Waterproof (When Mated) Rated Current : 30A Max. Rated Voltage : 600V AC/DC No. of Pos. : 162 Max. (Selectable Unit) AWG : 10-28

Peripheral Device Connection (Non-Waterproof)

HR10A Rated Current : 2A Max. No. of Pos. : 4, 5, 6, 10, 12, 20 AWG : 26-30	HR25A Compact Push-pull Lock Connector Rated Current : 1A Max. No. of Pos. : 4, 6, 8, 12, 16, 20 AWG : 30	ix Industrial IEC Standard Small, Robust I/O Connector Cat.6A Ethernet

Peripheral Device Connection (Waterproof)

HR30 IP67/IP68 Waterproof (When Mated) Rated Current : 5A Max. (6, 10, 12pos. : 2A Max.) No. of Pos. : 3, 6, 10, 12 AWG : 26-30 (3pos. : 20)	LF IP67/IP68 Waterproof (When Mated) Rated Current : 10A Max. No. of Pos. : 3, 4, 6, 11, 12, 20 AWG : 16-26

Connectors for Robot Control Units

Control Signal



LF
IP67/IP68 Waterproof
(When Mated)
Rated Current : 10A Max.
No. of Pos. : 3, 4, 6, 11, 12, 20
AWG : 16-26



TM11R
RJ45
Cat.3, Cat.5
Rated Current : 1A



DH
1mm Pitch
Rated Current : 0.5A Max.
No. of Pos. : 17, 27, 37, 51

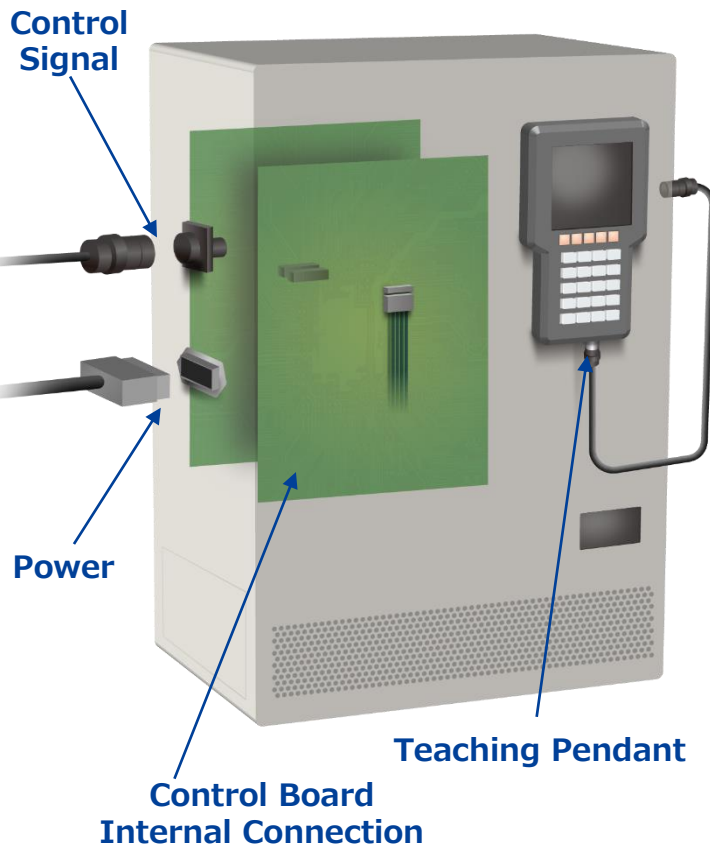


ix Industrial
IEC Standard
Small, Robust I/O Connector
Cat.6A Ethernet



GT17H/GT17HN
1Gbps High Speed Connector
Meeting Automotive Specs.
No. of Pos. : 4 (GT17H)
4, 16 (GT17HN)

Control Unit



Power



PQ50
Rated Current : 19A Max.
Rated Voltage : 600V AC/DC
No. of Pos. : 20
AWG : 14-22



PQ50S
Rated Current : 12.5A Max.
Rated Voltage : 300V AC/DC
No. of Pos. : 36, 48
AWG : 16-28

Teaching Pendant



HR22
IP67/IP68 Waterproof
(When Mated)
Rated Current : 2A Max.
Rated Voltage : 100V AC
140V DC
No. of Pos. : 20
AWG : 24-28



JR
Rated Current : 30A Max.
Rated Voltage : 1000V AC Max.
1400V DC Max.
No. of Pos. : 3-26
AWG : 10-28

Control Board Internal Connection

Wire-to-Board



DF60
Rated Current : 65A Max.
Rated Voltage : 1000V AC/DC
Pitch : 10.16mm
No. of Pos. : 1-6
AWG : 8-12



DF22
Rated Current : 30A Max.
Rated Voltage : 1000V AC/DC
Pitch : 7.92mm
No. of Pos. : 1-5
AWG : 10-16

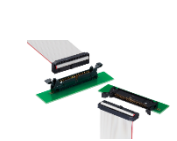


DF63
Rated Current : 15A Max.
Rated Voltage : 630V AC/DC
Pitch : 3.96mm
No. of Pos. : 1-6
AWG : 16-22



DF50/DF50A
Rated Current : 1A Max.
Rated Voltage : 100V AC/DC
Pitch : 1.0mm
No. of Pos. :
20, 30, 40, 50 (DF50)
2-16 (DF50A)
AWG : 26-32

Ribbon Cable



HIF3M*W
Rated Current : 1A Max.
Rated Voltage : 200V AC/DC
Pitch : 2.54mm
No. of Pos. : 10-64
AWG : 28

Board-to-Board



FunctionMAX
FX18
10+Gbps High Speed
Transmission
Floating Design
Stacking Height :
2 Piece : 10-30mm
3 Piece : 25-45mm
Pitch : 0.8mm
No. of Pos. : 40-180



FunctionMAX
FX23/FX23L
8+Gbps High Speed
Transmission
Floating Design
Stacking Height : 8-30mm
Pitch : 0.5mm
No. of Pos. :
Signal : 20-120
Power : 4



FunctionMAX
FX27
PCIe Gen.1 Transmission
Floating Design
Stacking Height : 22mm Min.
Pitch : 0.8mm
No. of Pos. : 40-120



FunctionMAX
FX30B
Floating Design
Stacking Height : 20-30mm
Pitch : 3.81, 7.62mm
No. of Pos. : 2-5



FH
FH63S
FPC/FFC/Shield FPC Connector
Height : 2.8mm
Pitch : 0.5mm
No. of Pos. : 10, 20, 30, 40.



FH
FH28K
125°C Heat Resistance
FPC/FFC Connector
Height : 2.55mm
Pitch : 0.5mm
No. of Pos. : 10-80