

Slim type

TIFA7-S Series

Application	No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket
			A	B	C			
7mm interval								
Flat cable	20	TIFA 720 MHS	80	40	42	92	HIF3BA-20PA-2.54DSA(71)	HIF3BA-20D-2.54R(71)
	26	TIFA 726 MHS	101			108	HIF3BA-26PA-2.54DSA(71)	HIF3BA-26D-2.54R(71)
	30	TIFA 730 MHS	115			124	HIF3BA-30PA-2.54DSA(71)	HIF3BA-30D-2.54R(71)
	34	TIFA 734 MHS	129			141	HIF3BA-34PA-2.54DSA(71)	HIF3BA-34D-2.54R(71)
	40	TIFA 740 MHS	150			162	HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	50	TIFA 750 MHS	185			199	HIF3BA-50PA-2.54DSA(71)	HIF3BA-50D-2.54R(71)
I/O for board	40	TIFA 740 F360S	150			160	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
7mm interval, fall prevention screw								
Flat cable	20	TIFA 7Y20 MHS Note	80	40	42	97	HIF3BA-20PA-2.54DSA(71)	HIF3BA-20D-2.54R(71)
	34	TIFA 7Y34 MHS Note	129			141	HIF3BA-34PA-2.54DSA(71)	HIF3BA-34D-2.54R(71)
	40	TIFA 7Y40 MHS Note	150			167	HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	50	TIFA 7Y50 MHS Note	185			199	HIF3BA-50PA-2.54DSA(71)	HIF3BA-50D-2.54R(71)
I/O for board	40	TIFA 7Y40 F360S Note	150			165	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW

Note: Product built to order.

Standard type

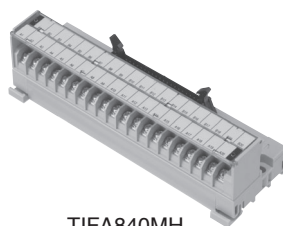
TIFA Series

Application	No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket
			A	B	C			
7mm interval								
I/O for board	20	TIFA 720 F360	80	45	45	98	FCN-364P024-AU	FCN-367J024-AU/F
Multiple pin square type male	20	TIFA 720 MRP ^{Note}	80			98	MR-20RMD2	MR-20F+MR20L
	34	TIFA 734 MRP ^{Note}	136			163	MR-34RMD2	MR-34F+MR34L
	50	TIFA 750 MRP ^{Note}	195			229	MR-50RMD2	MR-50F+MR50L
Multiple pin square type female	20	TIFA 720 MRS ^{Note}	80			98	MR-20RFD2	MR-20M+MR20L
	50	TIFA 750 MRS ^{Note}	195			229	MR-50RFD2	MR-50M+MR50L
D sub-connector male	25	TIFA 726 DPH25 ^{Note}	101			129	SDBB-25P	HDBB-25S
	37	TIFA 740 DPH37 ^{Note}	150			187	SDCB-37P	HDCB-37S
D sub-connector female	25	TIFA 726 DSH25 ^{Note}	101			129	SDBB-25S	HDBB-25P
	37	TIFA 740 DSH37 ^{Note}	150			187	SDCB-37S	HDCB-37P
7mm interval, fall prevention screw								
I/O for board	20	TIFA 7Y20 F360	80	45	45	98	FCN-364P024-AU	FCN-367J024-AU/F
8.5mm interval								
Flat cable	20	TIFA 820 MH	95	55	51	136	HIF3BA-20PA-2.54DSA(71)	HIF3BA-20D-2.54R(71)
	30	TIFA 830 MH	138			194	HIF3BA-30PA-2.54DSA(71)	HIF3BA-30D-2.54R(71)
	34	TIFA 834 MH	163			232	HIF3BA-34PA-2.54DSA(71)	HIF3BA-34D-2.54R(71)
	40	TIFA 840 MH	180			254	HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	50	TIFA 850 MH	233			323	HIF3BA-50PA-2.54DSA(71)	HIF3BA-50D-2.54R(71)
I/O for board	20	TIFA 820 F360 ^{Note}	95			139	FCN-364P024-AU	FCN-367J024-AU/F
	40	TIFA 840 F360 ^{Note}	180			256	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
Multiple pin square type male	20	TIFA 820 MRP ^{Note}	95			139	MR-20RMD2	MR-20F+MR20L
	34	TIFA 834 MRP ^{Note}	163			236	MR-34RMD2	MR-34F+MR34L
	50	TIFA 850 MRP ^{Note}	233			327	MR-50RMD2	MR-50F+MR50L

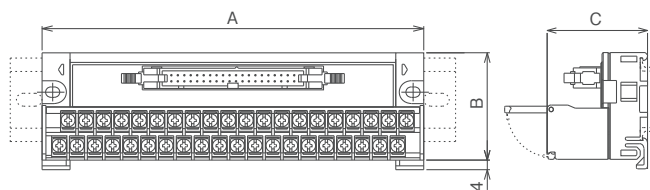
Note: Product built to order.



TIFA720MHS



TIFA840MH

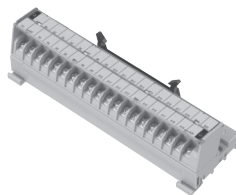


Inclined type

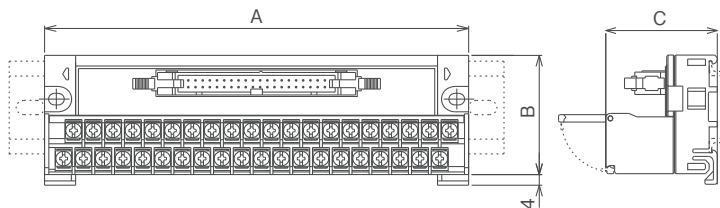
TIFB Series

Application	No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket
			A	B	C			
7mm interval								
Flat cable	20	TIFB 720 MH	80	45	47	95	HIF3BA-20PA-2.54DSA(71)	HIF3BA-20D-2.54R(71)
	26	TIFB 726 MH ^{Note}	101			107	HIF3BA-26PA-2.54DSA(71)	HIF3BA-26D-2.54R(71)
	30	TIFB 730 MH	115			135	HIF3BA-30PA-2.54DSA(71)	HIF3BA-30D-2.54R(71)
	34	TIFB 734 MH	136			159	HIF3BA-34PA-2.54DSA(71)	HIF3BA-34D-2.54R(71)
	40	TIFB 740 MH	150			175	HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	50	TIFB 750 MH	195			225	HIF3BA-50PA-2.54DSA(71)	HIF3BA-50D-2.54R(71)
I/O for board	20	TIFB 720 F360 ^{Note}	80			98	FCN-364P024-AU	FCN-367J024-AU/F
	40	TIFB 740 F360 ^{Note}	150			177	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
Multiple pin square type male	20	TIFB 720 MRP ^{Note}	80			98	MR-20RMD2	MR-20F+MR20L
	34	TIFB 734 MRP ^{Note}	136			163	MR-34RMD2	MR-34F+MR34L
	50	TIFB 750 MRP ^{Note}	195			229	MR-50RMD2	MR-50F+MR50L
Multiple pin square type female	20	TIFB 720 MRS ^{Note}	80			98	MR-20RFD2	MR-20M+MR20L
	50	TIFB 750 MRS ^{Note}	195			229	MR-50RFD2	MR-50F+MR50L
D sub-connector male	25	TIFB 726 DPH25 ^{Note}	101			129	SDBB-25P	HDBB-25S
	37	TIFB 740 DPH37 ^{Note}	150			187	SDCB-37P	HDCB-37S
D sub-connector female	25	TIFB 726 DSH25 ^{Note}	101			129	SDBB-25S	HDBB-25P
	37	TIFB 740 DSH37 ^{Note}	150			187	SDCB-37S	HDCB-37P
7mm interval, fall prevention screw								
Flat cable	20	TIFB 7Y20 MH ^{Note}	80	45	47	95	HIF3BA-20PA-2.54DSA(71)	HIF3BA-20D-2.54R(71)
	40	TIFB 7Y40 MH ^{Note}	150			175	HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
I/O for board	20	TIFB 7Y20 F360 ^{Note}	80			98	FCN-364P024-AU	FCN-367J024-AU/F
	40	TIFB 7Y40 F360 ^{Note}	150			177	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW

Note: Product built to order.



TIFB740MH



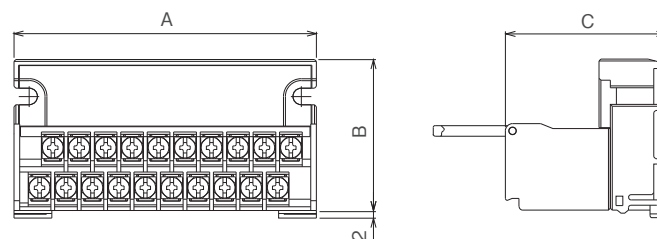
Power supply common unit

TIFA-C and TIFB-C series

Application		No. of pins	Type name	External dimensions (mm)			General mass (g)
				A	B	C	
7mm interval							
Slim type	Upper level positive total, lower level negative total	20	TIFA 720 CPMS	80	40	42	90
	Both upper and lower levels positive total	20	TIFA 720 CPS				
	Both upper and lower levels negative total	20	TIFA 720 CMS				
inclined type	Upper level positive total, lower level negative total	20	TIFB 720 CPM	80	45	47	90
	Both upper and lower levels positive total	20	TIFB 720 CP				
	Both upper and lower levels negative total	20	TIFB 720 CM				
7mm interval, fall prevention screw							
Slim type	Upper level positive total, lower level negative total	20	TIFA 7Y20 CPMS	80	40	42	90
	Both upper and lower levels positive total	20	TIFA 7Y20 CPS				
	Both upper and lower levels negative total	20	TIFA 7Y20 CMS				
inclined type	Upper level positive total, lower level negative total	20	TIFB 7Y20 CPM	80	45	47	90
	Both upper and lower levels positive total	20	TIFB 7Y20 CP				
	Both upper and lower levels negative total	20	TIFB 7Y20 CM				
8.5mm interval							
Standard type	Upper level positive total, lower level negative total	20	TIFA 820 CPM	95	55	51	130



TIFA720CPMS



With power common terminal

TIFC Series

Application	No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket
			A	B	C			
7mm interval								
Flat cable	20	TIFC 720 MH	136	45	45	158	HIF3BA-20PA-2.54DSA (71)	HIF3BA-20D-2.54R (71)
I/O for board	20	TIFC 720 F360 Note				161	FCN-364P024-AU	FCN-367J024-AU/F
8.5mm interval								
Flat cable	20	TIFC 820 MH	136	55	51	236	HIF3BA-20PA-2.54DSA (71)	HIF3BA-20D-2.54R (71)
I/Q for board	20	TIFC 820 F360 Note				163	239	FCN-364P024-AU

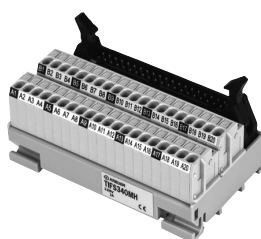
Note: Product built to order.

Clutch lock type

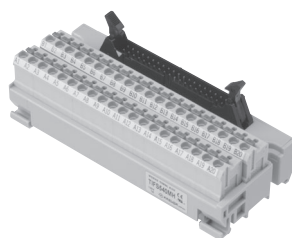
TIFS and TIFZS Series

Application	No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket	
			A	B	C				
3.5mm interval									
Flat cable	40	TIFS 340 MH	74	43	30.5	73	HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)	
	40	TIFS 340 MO				73	XG4A-4031	XG4M-4030-T	
I/O for board	40	TIFS 340 F360				74	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW	
3.5mm interval (Applicable to circuit pattern)									
Flat cable	For Mitsubishi Electric PLC	36	TIFZS 340 MHM1	74	43	30.5	69	HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)
	For Omron Input/ input and output	34	TIFZS 340 MHR1				67	HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)
	For Omron Input/ input and output		TIFZS 340 MOR2				67	XG4A-4031	XG4M-4030-T
	For Omron output/ input and output	36	TIFZS 340 MHR3				69	HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)
	For Omron output/ input and output		TIFZS 340 MOR4				69	XG4A-4031	XG4M-4030-T
	For Keyence CPU unit	40	TIFZS 340 MHK1				73	HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)
	For Keyence expansion input and output unit	36	TIFZS 334 MHK2				69	HIF3BA-34PA-2.54DSA (71)	HIF3BA-34D-2.54R (71)
5mm interval									
Flat cable	20	TIFS 520 MH	54	42	33	50	HIF3BA-20PA-2.54DSA (71)	HIF3BA-20D-2.54R (71)	
	40	TIFS 540 MH	106	45	45	100	HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)	
	50	TIFS 550 MH	131			122	HIF3BA-50PA-2.54DSA (71)	HIF3BA-50D-2.54R (71)	
I/O for board	40	TIFS 540 F360	106	45	45	100	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW	

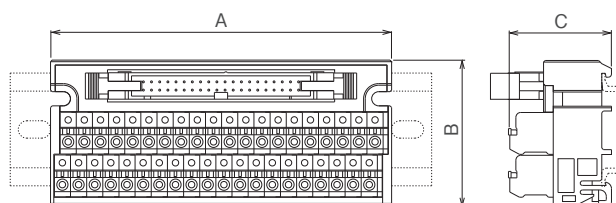
Application		No. of pins	Type name	External dimensions (mm)			General mass (g)
				A	B	C	
5mm interval							
Common unit	Upper level positive total, lower level negative total	20	TIFS 520 CPM	54	42	33	43
	Both upper and lower levels positive total	20	TIFS 520 CP				
	Both upper and lower levels negative total	20	TIFS 520 CM				



TIFS340MH



TIFS540MH

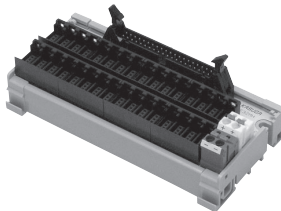


Type equipped with e-CON

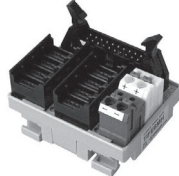
TIFE Series

Application	No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket
			A	B	C			
e-CON								
Flat cable	32	TIFE 32 MH	112	55	32	90	HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)
	32	TIFE 32 MHNH					HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)
	16	TIFE 16 MH	60	55	32	55	HIF3BA-20PA-2.54DSA (71)	HIF3BA-20D-2.54R (71)
	16	TIFE 16 MH 201W	100	55	32	80	HIF3BA-40PA-2.54DSA (71) HIF3BA-20PA-2.54DSA (71)	HIF3BA-40D-2.54R (71) HIF3BA-20D-2.54R (71)
		16				TIFE 16 MHNH 201W	80	HIF3BA-40PA-2.54DSA (71) HIF3BA-20PA-2.54DSA (71)
	16					TIFE 16 MH 102W	83	HIF3BA-40PA-2.54DSA (71) HIF3BA-10PA-2.54DSA (71)X2
		8				TIFE 8 MH	54	42
	8	TIFE 8 MHS	35	HIF3BA-10PA-2.54DSA (71)	HIF3BA-10D-2.54R (71)			
	40	TIFE 40 MH 202W	80	55	32	65	HIF3BA-40PA-2.54DSA (71) HIF3BA-20PA-2.54DSA (71)X2	HIF3BA-40D-2.54R (71) HIF3BA-20D-2.54R (71)X2
		40				TIFE 40 MH 104W	73	HIF3BA-40PA-2.54DSA (71) HIF3BA-10PA-2.54DSA (71)X4

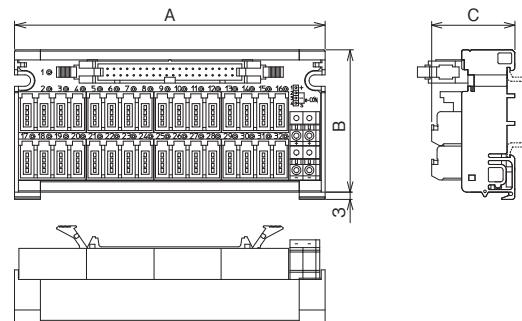
Note: e-CON header : Made in AMP 0-1473567-4



TIFE32MH



TIFE8MH



Crimp contact insertion type

TIFY Series

Application	No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket
			A	B	C			
Flat cable	20	TIFY 520 MH	64	56	42	100	HIF3BA-20PA-2.54DSA (71)	HIF3BA-20D-2.54R (71)
	34	TIFY 534 MH	90	82		160	HIF3BA-34PA-2.54DSA (71)	HIF3BA-34D-2.54R (71)
	40	TIFY 540 MH	105	97		185	HIF3BA-40PA-2.54DSA (71)	HIF3BA-40D-2.54R (71)
	50	TIFY 550 MH	130	122		230	HIF3BA-50PA-2.54DSA (71)	HIF3BA-50D-2.54R (71)
	40	TIFY 540 F360	105	97		180	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
I/O for board	40	TIFY 540 F360	105	97		180	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW

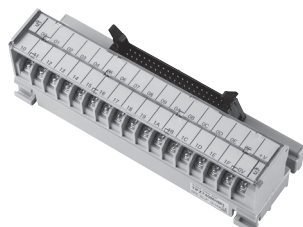
Application		No. of pins	Type name	External dimensions (mm)			General mass (g)
				A	B	C	
Common unit	Upper level positive total, lower level negative total	20	TIFY 520 CPM	55	59	42	93
	Both upper and lower levels positive total	20	TIFY 520 CP				
	Both upper and lower levels negative total	20	TIFY 520 CM				

Applicable type to circuit pattern

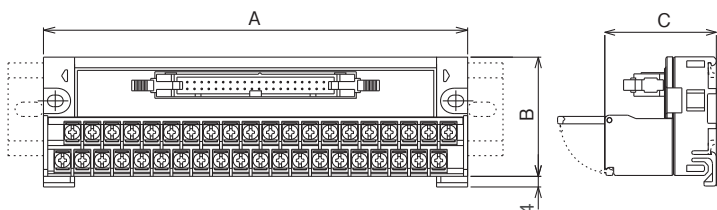
TIFZ Series

Application		No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket
				A	B	C			
7mm interval									
Flat cable	For Mitsubishi Electric PLC	34	TIFZ 740 MHM1	129	40	42	142	HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	For Mitsubishi Electric PLC		TIFZ 740 MHM2					HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	For Omron input/ input and output	33	TIFZ 740 MHR1					HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	For Omron input/ input and output		TIFZ 740 MOR2					XG4A-4031	XG4M-4030-T
	For Omron output/ input and output	34	TIFZ 740 MHR3					HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	For Omron output/ input and output		TIFZ 740 MOR4					XG4A-4031	XG4M-4030-T
I/O for board	For Mitsubishi Electric PLC	34	TIFZ 740 F360M1 Note				144	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
	For Mitsubishi Electric PLC		TIFZ 740 F360M2 Note					FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
	For Omron input/ input and output	33	TIFZ 740 F360R1 Note					FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
	For Omron output/ input and output	34	TIFZ 740 F360R3 Note					FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
7mm interval, fall prevention screw									
Flat cable	For Mitsubishi Electric PLC	34	TIFZ 7Y40 MHM1 Note	129	40	42	142	HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	For Mitsubishi Electric PLC		TIFZ 7Y40 MHM2 Note					HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	For Omron input/ input and output	33	TIFZ 7Y40 MHR1 Note					HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	For Omron input/ input and output		TIFZ 7Y40 MOR2 Note					XG4A-4031	XG4M-4030-T
	For Omron output/ input and output	34	TIFZ 7Y40 MHR3 Note					HIF3BA-40PA-2.54DSA(71)	HIF3BA-40D-2.54R(71)
	For Omron output/ input and output		TIFZ 7Y40 MOR4 Note					XG4A-4031	XG4M-4030-T
I/O for board	For Mitsubishi Electric PLC	34	TIFZ 7Y40 F360M1 Note				144	FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
	For Mitsubishi Electric PLC		TIFZ 7Y40 F360M2 Note					FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
	For Omron input/ input and output	33	TIFZ 7Y40 F360R1 Note					FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW
	For Omron output/ input and output	34	TIFZ 7Y40 F360R3 Note					FCN-364P040-AU	FCN-367J040-AU/FW, FCN-367J040-AU/MW

Note: Product built to order.



TIFZ740MHM1



Applicable type for controller

TIFF Series

Application	No. of pins	Type name	External dimensions (mm)			General mass (g)	Mounting connector	Applicable socket
			A	B	C			
7mm interval								
Multiple pin square type male	50	TIFF 750 MRP1	185	45	45	222	MR-50RMD2	MR-50F+MR50L

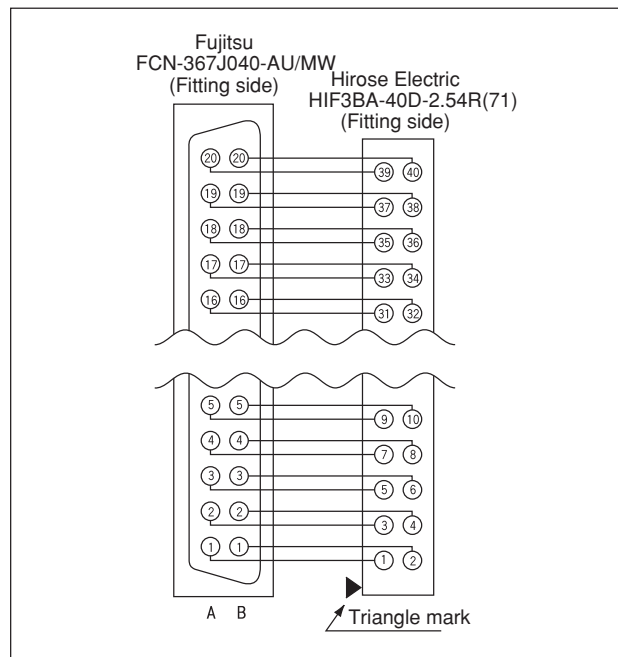
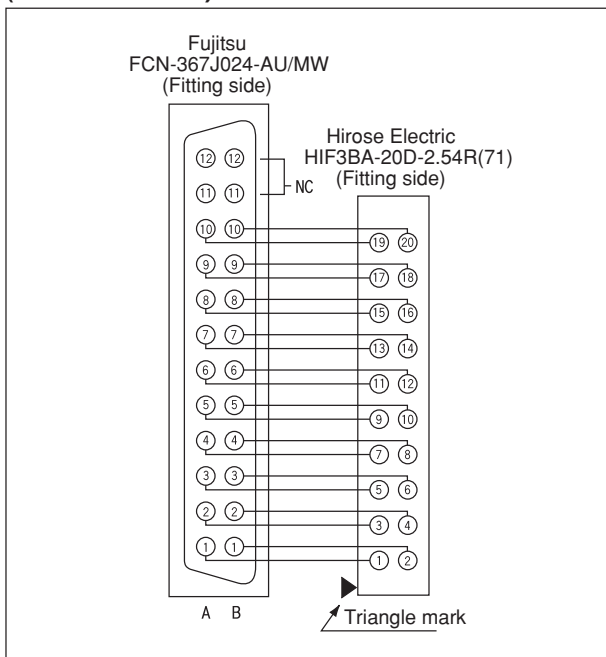
Short-bar

Jumper convenient for common wiring. Adjacent pin of the terminal block can be connected with a copper bar to make the terminal common. Use this for the applicable model.

Part name	Applicable model	No. of pins	Covering color	Type name	Number of contents	General mass per 1 piece (g)
Short-bar	TIFA7-S, TIFA7, TIFB7, TIFC7, TIFA7Y-S, TIFA7Y, TIFB7Y TIFF	2 pins	Black	JTJ 020 BB	50 pieces	0.5
			Yellow	JTJ 020 BY	50 pieces	0.5
		3 pins	Black	JTJ 030 BB	50 pieces	0.9
			Yellow	JTJ 030 BY	50 pieces	0.9

■ Wiring diagram

(Standard cable)



(Branching cable)

