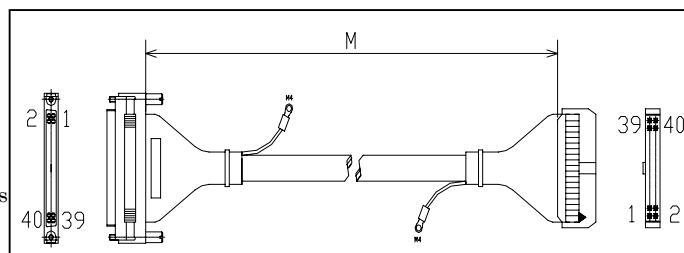


CROSS REFERENCE GUIDE for MITSUBISHI PLC

We have selection of two types of cable that is **KB40S-4F1H-#M** and **F7J40-28SV-#M** which either models can be used for three types of Interface Terminals.
To select the suitable Cables and Interface Terminals, please refer to the following drawings.

TOGI Cable : KB40S-4F1H-#M

**MITSUBISHI
PLC module**
FCN36 CONNECTOR/40Ps



TOGI Interface
PCN-1H40
PCN7-1H40
PCV5-1H402
MIL CONNECTOR/40Ps

Normal terminal size with 7.62mm pitch



PCN-1H40

Small size terminal with 7mm pitch



PCN7-1H40

Spring lock type



PCV5-1H402

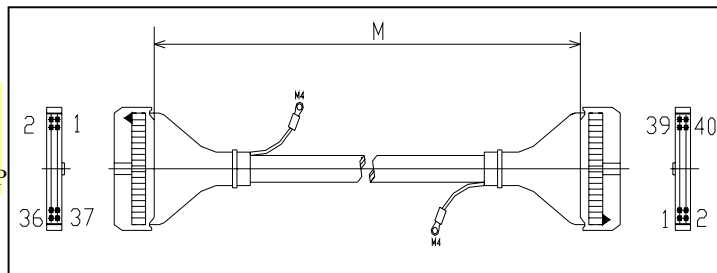
MELSEC A / QnA SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
AX42	IN	64	FCN36 CONNECTOR/40Ps×2	KB40S-4F1H-#M	PCN-1H40 PCN7-1H40 PCV5-1H402
AX42-S1	IN	64	FCN36 CONNECTOR/40Ps×2		
A1SX41	IN	32	FCN36 CONNECTOR/40Ps		
A1SX41-S1	IN	32	FCN36 CONNECTOR/40Ps		
A1SX41-S2	IN	32	FCN36 CONNECTOR/40Ps		
A1SX42	IN	64	FCN36 CONNECTOR/40Ps×2		
A1SX42-S1	IN	64	FCN36 CONNECTOR/40Ps×2		
A1SX42-S2	IN	64	FCN36 CONNECTOR/40Ps×2		
A1SX71	IN	32	FCN36 CONNECTOR/40Ps		
A1SX82-S1	IN	64	FCN36 CONNECTOR/40Ps×2		
AY42	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY42-S1	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY42-S2	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY42-S3	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY42-S4	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY72	OUT	64	FCN36 CONNECTOR/40Ps×2		

MELSEC A / QnA SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
AY82EP	OUT	64	FCN36 CONNECTOR/40Ps×2	KB40S-4F1H-#M	PCN-1H40 PCN7-1H40 PCV5-1H402
A1SY41	OUT	32	FCN36 CONNECTOR/40Ps		
A1SY42	OUT	64	FCN36 CONNECTOR/40Ps×2		
A1SY71	OUT	32	FCN36 CONNECTOR/40Ps		
A1SY82	OUT	64	FCN36 CONNECTOR/40Ps×2		
AH42	IN/OUT	32/32	FCN36 CONNECTOR/40Ps×2		
A1SH42	IN/OUT	32/32	FCN36 CONNECTOR/40Ps×2		
A1SH42-S1	IN/OUT	32/32	FCN36 CONNECTOR/40Ps×2		

MELSEC Q SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
QX41	IN	32	FCN36 CONNECTOR/40Ps	KB40S-4F1H-#M	PCN-1H40 PCN7-1H40 PCV5-1H402
QX41-S1	IN	32	FCN36 CONNECTOR/40Ps		
QX42	IN	64	FCN36 CONNECTOR/40Ps×2		
QX42-S1	IN	64	FCN36 CONNECTOR/40Ps×2		
QX71	IN	32	FCN36 CONNECTOR/40Ps		
QX72	IN	64	FCN36 CONNECTOR/40Ps×2		
QY41P	OUT	32	FCN36 CONNECTOR/40Ps		
QY42P	OUT	64	FCN36 CONNECTOR/40Ps×2		
QY71	OUT	32	FCN36 CONNECTOR/40Ps		
QH42P	IN/OUT	32/32	FCN36 CONNECTOR/40Ps×2		

TOGI Canble : Made-to-order

MITSUBISHI
PLC module
D-sub CONNECTOR/37P



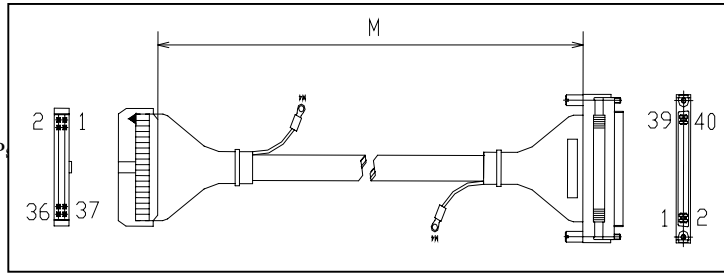
TOGI Interface
PCN-1H40
PCN7-1H40
PCV5-1H402
MIL CONNECTOR/40Ps

MELSEC A / QnA SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
AX82	IN	64	D-sub CONNECTOR/37Ps×2	Made-to-order	PCN-1H40 PCN7-1H40 PCV5-1H402
A1SX81	IN	32	D-sub CONNECTOR/37Ps×2		
A1SX81-S2	IN	32	D-sub CONNECTOR/37Ps×2		
A1SY81	OUT	32	D-sub CONNECTOR/37Ps×2		

MELSEC Q SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
QY81P	OUT	32	D-sub CONNECTOR/37Ps×2	Made-to-order	PCN-1H40 PCN7-1H40 PCV5-1H402
QX81	IN	32	D-sub CONNECTOR/37Ps×2		

TOGI Canble : Made-to-order

MITSUBISHI
PLC module
 D-sub CONNECTOR/37P



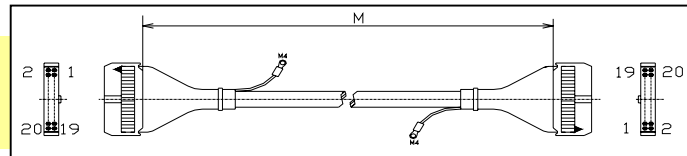
TOGI Interface
PCN-4F40
PCN7-4F40
PCV5-4F402
 FCN36 CONNECTOR/40Ps

MELSEC A / QnA SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
AX82	IN	64	D-sub CONNECTOR/37Ps×2	Made-to-order	PCN-4F40
A1SX81	IN	32	D-sub CONNECTOR/37Ps×2		PCN7-4F40
A1SX81-S2	IN	32	D-sub CONNECTOR/37Ps×2		PCV5-4F402
A1SY81	OUT	32	D-sub CONNECTOR/37Ps×2		

MELSEC Q SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
QY81P	OUT	32	D-sub CONNECTOR/37Ps×2	Made-to-order	PCN-4F40
QX81	IN	32	D-sub CONNECTOR/37Ps×2		PCN7-4F40
					PCV5-4F402

TOGI Cable : KBS-1H20-#M

MITSUBISHI PLC
Module
 MIL CONNECTOR/20Ps



TOGI Interface
PCN-1H20
PCN7-1H20
PCV5-1H202
 MIL CONNECTOR/20Ps

Normal terminal size with 7.62mm pitch



PCN-1H20

Small size terminal with 7mm pitch



PCN7-1H20

Spring lock type



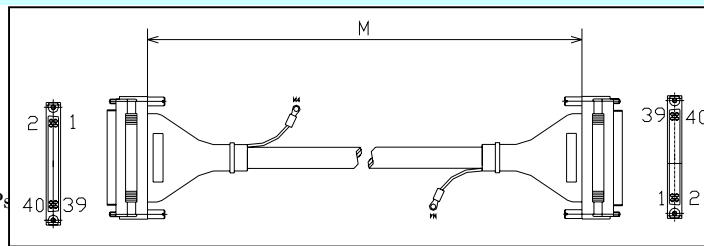
PCV5-1H202

FX1NC SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
FX1NC-16MT	IN/OUT	8/8	MIL CONNECTOR/20Ps×2	KBS-1H20#M	PCN-1H20
FX1NC-32MT	IN/OUT	16/16	MIL CONNECTOR/20Ps×2		PCN7-1H20
					PCV5-1H202

FX2NC SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
FX2NC-16MT	IN/OUT	8/8	MIL CONNECTOR/20Ps×2	KBS-1H20#M	PCN-1H20 PCN7-1H20 PCV5-1H202
FX1NC-32MT	IN/OUT	16/16	MIL CONNECTOR/20Ps×2		
FX2NC-16MT	IN/OUT	32/32	MIL CONNECTOR/20Ps×4		
FX1NC-32MT	IN/OUT	48/48	MIL CONNECTOR/20Ps×6		
FX2NC-16EX	IN	16	MIL CONNECTOR/20Ps		
FX1NC-32EX	IN	32	MIL CONNECTOR/20Ps×2		
FX2NC-16EYT	OUT	16	MIL CONNECTOR/20Ps		
FX1NC-32EYT	OUT	32	MIL CONNECTOR/20Ps×2		

FX3UC-32MT-LT				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
FX1NC-32MT-1	IN/OUT	16/16	MIL CONNECTOR/20Ps×2	KBS-1H20#M	PCN-1H20 PCN7-1H20 PCV5-1H202

TOGI Cable : F 7J40-28SV-#M



MITSUBISHI
PLC module
FCN36 CONNECTOR/40Ps

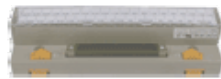
TOGI Interface
PCN-4F40
PCN7-4F40
PCV5-4F402
FCN36 CONNECTOR/40Ps

Normal terminal size with 7.62mm pitch



PCN-4F40

Small size terminal with 7mm pitch



PCN7-4F40

Spring lock type



PCV5-4F402

MELSEC A / QnA SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
AX42	IN	64	FCN36 CONNECTOR/40Ps×2	F 7J40-28SV-#M	PCN-4F40 PCN7-4F40 PCV5-4F402
AX42-S1	IN	64	FCN36 CONNECTOR/40Ps×2		
A1SX41	IN	32	FCN36 CONNECTOR/40Ps		
A1SX41-S1	IN	32	FCN36 CONNECTOR/40Ps		
A1SX41-S2	IN	32	FCN36 CONNECTOR/40Ps		
A1SX42	IN	64	FCN36 CONNECTOR/40Ps×2		
A1SX42-S1	IN	64	FCN36 CONNECTOR/40Ps×2		
A1SX42-S2	IN	64	FCN36 CONNECTOR/40Ps×2		
A1SX71	IN	32	FCN36 CONNECTOR/40Ps		
A1SX82-S1	IN	64	FCN36 CONNECTOR/40Ps×2		
AY42	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY42-S1	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY42-S2	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY42-S3	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY42-S4	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY72	OUT	64	FCN36 CONNECTOR/40Ps×2		
AY82EP	OUT	64	FCN36 CONNECTOR/40Ps×2		

MELSEC A / QnA SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
A1SY41	OUT	32	FCN36 CONNECTOR/40Ps	F 7J40-28SV-#M	PCN-4F40 PCN7-4F40 PCV5-4F402
A1SY42	OUT	64	FCN36 CONNECTOR/40Ps×2		
A1SY71	OUT	32	FCN36 CONNECTOR/40Ps		
A1SY82	OUT	64	FCN36 CONNECTOR/40Ps×2		
AH42	IN/OUT	32/32	FCN36 CONNECTOR/40Ps×2		
A1SH42	IN/OUT	32/32	FCN36 CONNECTOR/40Ps×2		
A1SH42-S1	IN/OUT	32/32	FCN36 CONNECTOR/40Ps×2		

MELSEC Q SERIES				TOYOGIKEN PRODUCTS	
I/O MODULE	I/O	POINTS	MOUNTING CONNECTER	CABLE	INTERFACE
QX41	IN	32	FCN36 CONNECTOR/40Ps	F 7J40-28SV-#M	PCN-4F40 PCN7-4F40 PCV5-4F402
QX41-S1	IN	32	FCN36 CONNECTOR/40Ps		
QX42	IN	64	FCN36 CONNECTOR/40Ps×2		
QX42-S1	IN	64	FCN36 CONNECTOR/40Ps×2		
QX71	IN	32	FCN36 CONNECTOR/40Ps		
QX72	IN	64	FCN36 CONNECTOR/40Ps×2		
QY41P	OUT	32	FCN36 CONNECTOR/40Ps		
QY42P	OUT	64	FCN36 CONNECTOR/40Ps×2		
QY71	OUT	32	FCN36 CONNECTOR/40Ps		
QH42P	IN/OUT	32/32	FCN36 CONNECTOR/40Ps×2		

Cable Specification

AWG28 / Twist pair / with shield line : maker OKI

: Cable length

0.5 : 0.5m	2 : 2.0m
1 : 1.0m	3 : 3.0m
1.5 : 1.5m	5 : 5.0m