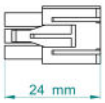
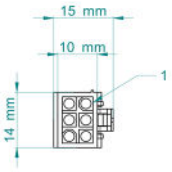
WIRING MOTOR CONNECTIONS

POWER CONNECTOR for TC-X 40 ONLY

PIN	FUNCTION
1	Phase U
2	Phase V
3	Phase W
4	PE
5	Brake 24V (#)
6	Brake 0V (#)

(#) Optional

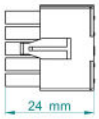


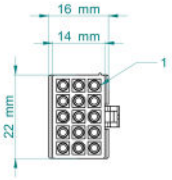


FEEDBACK CONNECTOR for TC-X 40 ONLY

R1 RESOLVER

PIN	FEEDBACK FUNCTION
1	Sin+
2	Sin-
3	Cos+
4	Cos-
5	Ref+
6	Ref-
7	-
8	-
9	-
10	-
11	-
12	-
13	-
14	-
15	Shield





SEE IT BEFORE IT HAPPENS
MOTOR POWER COMPANY

WIRING MOTOR CONNECTIONS

CONNECTORS WITH G2 CONNECTION for ALL OTHER MODELS

POWER CONNECTOR

PIN	FUNCTION
1	Phase U
2	PE
3	Phase W
4	Phase V
A	Brake 24V (#)
B	Brake 0V (#)
C	PT 1000 (+)
D	PT 1000 (-)

(#) Optional

FEEDBACK CONNECTOR

RESOLVER R1

PIN	FEEDBACK FUNCTION
1	-
2	-
3	-
4	-
5	/Sin
6	Sin +
7	/Ref
8	Ref
9	-
10	Shield
11	/Cos
12	Cos
13	-
14	-
15	-
16	-
17	-

CONNECTORS WITH H2 CONNECTION for ALL OTHER MODELS

POWER CONNECTOR

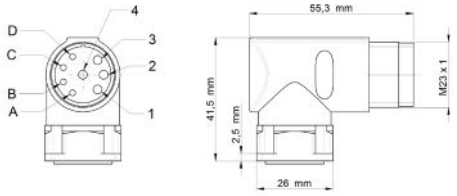
PIN	FUNCTION
1	Phase U
2	PE
3	Phase W
4	Phase V
A	Brake 24V (#)
B	Brake 0V (#)
C	
D	

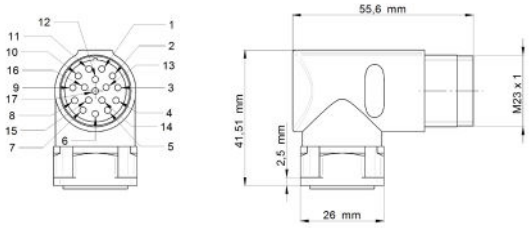
(#) Optional

FEEDBACK CONNECTOR

RESOLVER R1

PIN	FEEDBACK FUNCTION
1	-
2	-
3	-
4	-
5	/Sin
6	Sin +
7	/Ref
8	Ref
9	-
10	Shield
11	/Cos
12	Cos
13	-
14	-
15	-
16	PT 1000 (+)
17	PT 1000 (-)



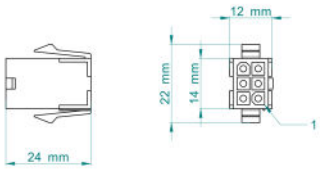


STATIC CABLES SPECIFICATIONS

STATIC POWER CABLES for TC-X 40 ONLY

PIN/AMP	COLOUR	FUNCTION
1	Grey	Phase U
2	Black	Phase V
3	Brown	Phase W
4	Yellow/Green + Shield	PE
5	Red	Brake +
6	Black	Brake -

Power free wire cable for general purpose



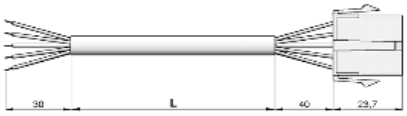
For cable order

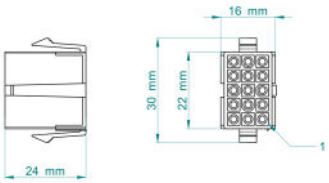
Lenght (mm)	Order code
3000	003108010620
5000	003108010622
10000	003108010624

STATIC SIGNAL CABLES for TC-X 40 ONLY

PIN/AMP	COLOUR	FUNCTION
1	Green	According to feedback
2	Yellow	
3	Violet	
4	Black	
5	Pink	
6	Gray	
7	Yellow/White	
8	Yellow/Brown	
9	White/Green	
10	Brown/Green	
11	Grey/Pink	
12	Red/Blu	
13	Brown	
14	White	
15	Shield (Black)	

Signal free wire cable general purpose



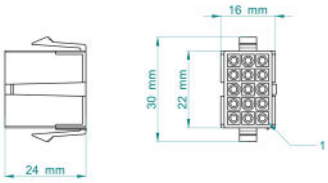


For cable order

Lenght (mm)	Order code
3000	003108010556
5000	003108010558
10000	003108010560

PIN/AMP	FUNCTION	PIN/SUMITOMO 26
1	SIN +	6
2	SIN -	19
3	COS +	7
4	COS -	20
5	REF +	8
6	REF -	21
7	-	-
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-
13	-	-
14	-	-
15	Shield	26

R1 resolver signal SUMITOMO cable for FLEXI PRO



For cable order

Lenght (mm)	Order code
3000	003108020035
5000	003108020036
10000	003108020037

STATIC CABLES SPECIFICATIONS

STATIC POWER CABLES for ALL OTHER MODELS

PIN/M23	COLOUR	FUNCTION
1	Gray	According to G2 or H2 connection
2	Yellow/Green + Shield	
3	Brown	
4	Black	
A	Red	
B	Black	
C	White	
D	Blu	

Power free wire cable for general purpose

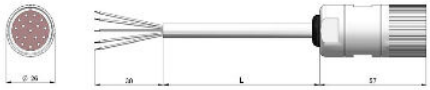
For cable order

Lenght (mm)	Order code
3000	003108010650
5000	003108010652
10000	003108010654

STATIC SIGNAL CABLES for ALL OTHER MODELS

PIN/M23	COLOUR	FUNCTION
1	Gray/Pink	According to feedback
2	Yellow/White	
3	White	
4	Brown	
5	Yellow	
6	Green	
7	Grey	
8	Pink	
9	White/Green	
10	Shield – Wire	
11	Black	
12	Violet	
13	Red/Blue	
14	Brown/Green	
15	Yellow/Brown	
16	Red	
17	Blue	

Signal free wire cable for general purpose



For cable order

Lenght (mm)	Order code
3000	003108010500
5000	003108010502
10000	003108010504

PIN/M23	FUNCTION	PIN/SUMITOMO 26
1	-	-
2	-	-
3	-	-
4	-	-
5	SIN -	19
6	SIN +	6
7	REF -	21
8	REF +	8
9	-	-
10	Shield	26
11	COS -	20
12	COS +	7
13	-	-
14	-	-
15	-	-
16	PT 1000 (+)	12
17	PT 1000 (-)	25

R1 resolver signal SUMITOMO cable for FLEXI PRO

For cable order

Lenght (mm)	Order code
3000	003108020044
5000	003108020045
10000	003108020046

DYNAMIC LAYING CABLES SPECIFICATIONS

POWER CABLES for ALL SERVOMOTORS MODELS up to 14A

MOTOR SIDE PIN	COLOUR
1	Black1
2	Green/Yellow
3	Black3
4	Black2
A	Black5
B	Black6
C	Black7
D	Black8

Power free wire cable for general purpose

For cable order

Lenght (mm)	Order code
5000	003108007524
10000	003108020011

POWER CABLES for ALL SERVOMOTORS MODELS more than 14A and up to 30A

MOTOR SIDE PIN	COLOUR
1	Black1
2	Green/Yellow
3	Black3
4	Black2
A	Black5
B	Black6
C	Black7
D	Black8

Power free wire cable for general purpose

For cable order

Lenght (mm)	Order code
3000	003108005080
5000	003108005104
10000	003108005106

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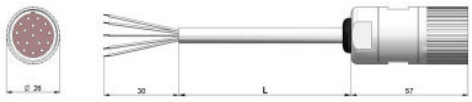
MOTOR POWER COMPANY

DYNAMIC LAYING CABLES SPECIFICATIONS

SIGNAL CABLES for ALL SERVOMOTORS MODELS

MOTOR SIDE PIN	COLOUR
1	Grey/Pink
2	Red
3	Blue1
4	Red1
5	Yellow
6	Green
7	Grey
8	Pink
9	White/Green
10	Shield2
11	Black
12	Violet
13	Red/Blue
14	Brown/Green
15	Blue
16	Brown
17	White

Signal free wire cable for general purpose



For cable order

Lenght (mm)	Order code
5000	003108011110
10000	003108011112

MOTOR SIDE PIN	COLOUR	FUNCTION	DRIVE SIDE PIN
5	Black/Blue	RefSin	19
6	Blue	Sin	6
7	Black/Green	Ref-	21
8	Green	Ref+	8
10	Shield	SHIELD	26
11	Black/Red	RefCos	20
12	Red	Cos	7
16	White	PT 1000 (+)	12
17	Black/White	PT 1000 (-)	25

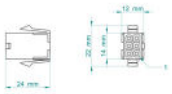
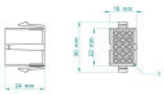
R1 resolver signal SUMITOMO cable for FLEXI PRO

For cable order

Lenght (mm)	Order code
5000	003108011100
10000	003108011102

CONNECTOR SPECIFICATIONS

FLYING CONNECTORS AMP for TC-X 040 ONLY

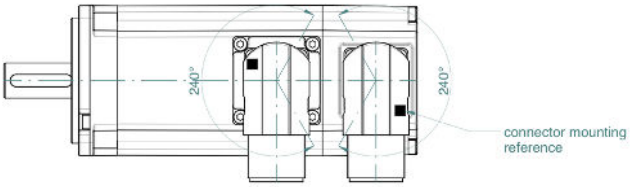
Power Connector AMP 172160-1 + 6 PIN 171637-1	order code 007117000304	
Signal connector AMP 172163-1 + 15 PIN 170361-1	order code 007117000306	

FLYING CONNECTORS M23 for ALL OTHE MODELS

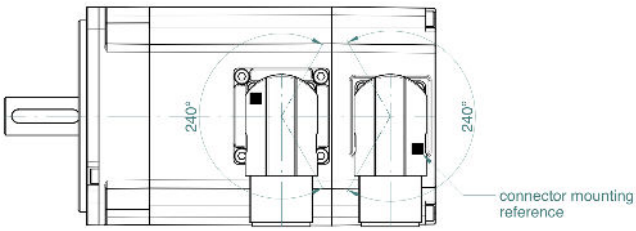
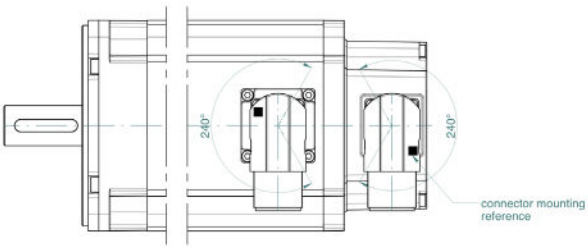
Power connector pin included BSTA108NN00580236000 + 4 PIN 60.003.11 FM/2mm CRIMP.0,35-2,5 SPRING + 4 PIN 60.001.11 FM/1mm CRIMP.0,14-1 SPRING	order code 007117000472	
Signal connenctor pin included ASTA014NN00410235000 17p/FM + 17 PIN 60.011.11 FM/1mm CRIMP.0,14-1	order code 007117000462	

90° TURNABLE CONNECTORS SPECIFICATIONS

TETRA COMPACT-X 60



TETRA COMPACT-X 80



TETRA COMPACT-X100