WIRING MOTOR CONNECTIONS

CONNECTORS WITH 29 CONNECTION and PT1000 on power

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

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	-

HIPERFACE ABSOLUTE ENCODER

PIN	FEEDBACK FUNCTION
1	-
2	-
3	0 Vdc
4	7-12 Vdc
5	/Sin
6	Sin
7	/DATA
8	DATA
9	-
10	Shield
11	/Cos
12	Cos
13	-
14	-
15	-
16	-
17	-

CONNECTORS WITH 29 CONNECTION and PT1000 on signal

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

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 (-)

HIPERFACE ABSOLUTE ENCODER

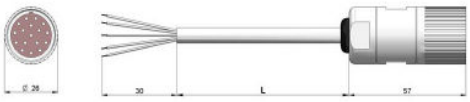
PIN	FEEDBACK FUNCTION
1	-
2	-
3	0 Vdc
4	7-12 Vdc
5	/Sin
6	Sin
7	/DATA
8	DATA
9	-
10	Shield
11	/Cos
12	Cos
13	-
14	-
15	-
16	PT 1000 (+)
17	PT 1000 (-)

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

DYNAMIC LAYING CABLES SPECIFICATIONS

SIGNAL CABLES for ALL SERVOMOTORS MODELS connection 29

Resolver signal SUMITOMO cable for FLEXI PRO

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

For cable order

Lenght (mm)	Order code
5000	003108011100
10000	003108011102

Hiperface absolute encoder signal SUMITOMO cable for FLEXI PRO

MOTOR SIDE PIN	COLOUR	FUNCTION	DRIVE SIDE PIN
17	White	PT 1000 (+)	25
16	Brown	PT 1000 (-)	12
12	Pink	Cos	10
11	Grey	Cos-	23
10	Shield2	SHIELD	26
8	Violet	Data+	1
7	Black	Data-	14
6	Green	Sin+	9
5	Yellow	Sin-	22
4	Red1	7-12V	18
3	Blue1	GND	24

For cable order

Lenght (mm)	Order code
3000	003108011123
5000	003108020152
10000	003108020153

DYNAMIC LAYING CABLES SPECIFICATIONS

POWER CABLES

FUNCTION	PIN/M23
Phase U	1
Phase V	4
Phase W	3
PE	2
N.C.	A
N.C.	B
PT 1000 (+)	C
PT 1000 (-)	D

Power free wire cable

SKA DDR 090- 148 - 245		SKA DDR 335 - 430	
Lenght (mm)	Order code	Lenght (mm)	Order code
3000	003108007314	3000	003108005080
5000	003108007302	5000	003108005104
10000	003108007316	10000	003108005106

Power free wire cable
with M23 90° connector

SKA DDR 090 - 148 - 245		SKA DDR 335 - 430	
Lenght (mm)	Order code	Lenght (mm)	Order code
3000	003108020075	3000	003108005108
5000	003108020076	5000	003108020014
10000	003108020077	10000	003108005110

FLYING CONNECTORS M23

Straight 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	
Straight signal connenctor pin included ASTA014NN00410235000 17p/FM + 17 PIN 60.011.11 FM/1mm CRIMP.0,14-1	order code 007117000462	
90° power connector pin included BSDA108NN00420200000 + 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 007117002055	
90° signal connenctor pin included ASDA014NN00480150000 + 17 PIN 60.011.11 FM/1mm CRIMP.0,14-1	order code 007117002056	