

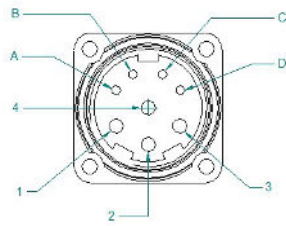
WIRING MOTOR CONNECTIONS

for incremental encoder

CONNECTORS TYPE 19

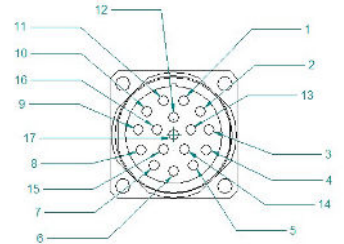
POWER CONNECTOR

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



FEEDBACK CONNECTOR

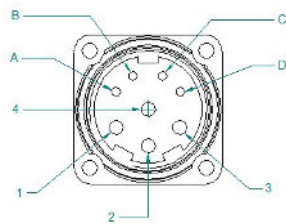
PIN	FEEDBACK FUNCTION
1	N.C.
2	N.C.
3	0 Vdc
4	+ 5Vdc
5	Sin/A
6	Sin A
7	Ref R -
8	Ref R +
9	N.C.
10	Shield
11	Cos/B
12	Cos B
13	+5Vdc **Sense
14	0Vdc **Sense
15	N.C.
16	Reserved: do not connect
17	Reserved: do not connect



CONNECTORS TYPE 20

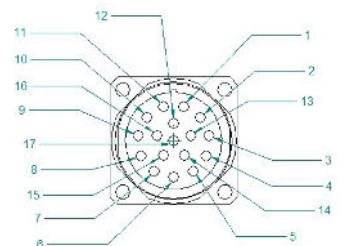
POWER CONNECTOR

PIN	FUNCTION
1	Phase U
2	PE
3	Phase W
4	Phase V
A	N.C.
B	N.C.
C	N.C.
D	N.C.



FEEDBACK CONNECTOR

PIN	FEEDBACK FUNCTION
1	PT 1000 (+)
2	PT 1000 (-)
3	0 Vdc
4	+ 5Vdc
5	Sin/A
6	Sin A
7	Ref R -
8	Ref R +
9	N.C.
10	Shield
11	Cos/B
12	Cos B
13	+5Vdc **Sense
14	0Vdc **Sense
15	N.C.
16	Reserved: do not connect
17	Reserved: do not connect



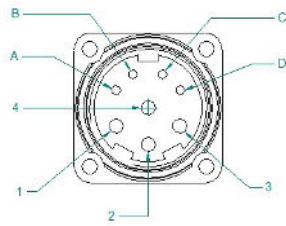
WIRING MOTOR CONNECTIONS

for absolute encoder

CONNECTORS TYPE 19

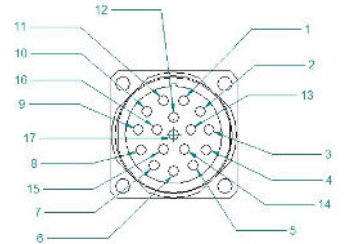
POWER CONNECTOR

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



FEEDBACK CONNECTOR

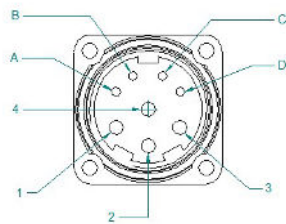
PIN	FEEDBACK FUNCTION
1	+ 5Vdc **Sense
2	N.C.
3	N.C.
4	0Vdc **Sense
5	N.C.
6	N.C.
7	+ 5Vdc
8	Clock +
9	Clock -
10	0Vdc
11	Shield
12	-
13	-
14	Data +
15	-
16	-
17	Data -



CONNECTORS TYPE 20

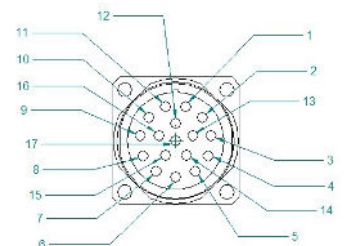
POWER CONNECTOR

PIN	FUNCTION
1	Phase U
2	PE
3	Phase W
4	Phase V
A	N.C.
B	N.C.
C	N.C.
D	N.C.




FEEDBACK CONNECTOR

PIN	FEEDBACK FUNCTION
1	+ 5Vdc **Sense
2	PT 1000 (+)
3	PT 1000 (-)
4	0Vdc **Sense
5	N.C.
6	N.C.
7	+5Vdc
8	Clock +
9	Clock -
10	0Vdc
11	Shield
12	-
13	-
14	Data +
15	-
16	-
17	Data -

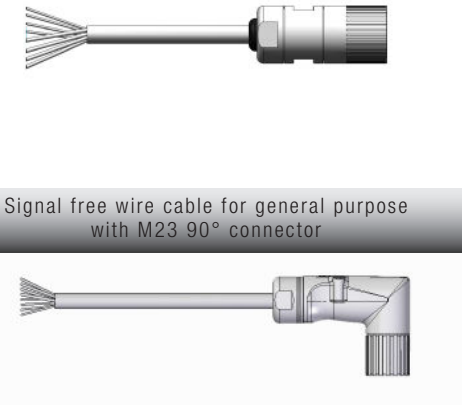


CABLES SPECIFICATIONS

SIGNAL CABLES for incremental encoder


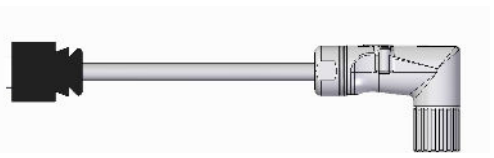
PIN/SUMITOMO 26	FUNCTION	PIN/M23	Signal SUMITOMO cable for FLEXI PRO		
12	PT 1000 (+)	1		Lenght (mm)	Order code
25	PT 1000 (-)	2		3000	003108020059
24	0 Vdc	3		5000	003108020060
11	+5 Vdc	4		10000	003108020061
22	SIN/	5			
9	SIN	6			
16	Ref R-	7			
3	Ref R+	8			
-	-	9			
26	Shield	10			
23	COS/	11			
10	COS	12			
-	-	13			
-	-	14			
-	-	15			
-	-	16			
-	-	17			

All signal cables are for static laying.
For dynamic laying cables, please contact our front office.

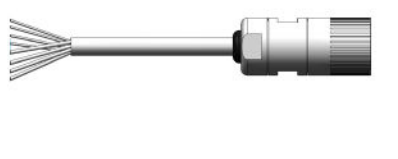
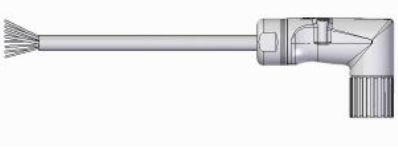
COLOUR	FUNCTION	PIN/M23	Signal free wire cable for general purpose		
Grey/Pink	PT 1000 (+)	1		Lenght (mm)	Order code
White/Yellow	PT 1000 (-)	2		3000	003108010500
White	0 Vdc	3		5000	003108010502
Brown	+5 Vdc	4		10000	003108010504
Yellow	SIN/	5			
Green	SIN	6			
Grey	Ref R-	7			
Pink	Ref R+	8			
White/Green	-	9			
Shield1	Shield	10			
Black	COS/	11			
Violet	COS	12			
Red/Blue	-	13			
Brown/Green	-	14			
Yellow/Brown	-	15			
Red	-	16			
Blue	-	17			

CABLES SPECIFICATIONS

SIGNAL CABLES for absolute encoder


PIN/SUMITOMO 26	FUNCTION	PIN/M23	Signal SUMITOMO cable for FLEXI PRO		
-	-	1		Lenght (mm)	Order code
12	PT 1000 (+)	2		3000	003108007348
25	PT 1000 (-)	3		5000	003108007350
-	-	4		10000	003108007352
-	-	5			
-	-	6			
11	+5Vdc	7	Signal SUMITOMO cable for FLEXI PRO with M23 90° connector		
2	Clock+	8		Lenght (mm)	Order code
15	Clock-	9		3000	003108007354
24	0Vdc	10		5000	003108007356
26	Shield	11		10000	003108007358
-	-	12			
-	-	13			
1	DATA+	14			
-	-	15			
-	-	16			
14	DATA-	17			


All signal cables are for static laying.
For dynamic laying cables, please contact our front office.

COLOUR	FUNCTION	PIN/M23	Signal free wire cable for general purpose		
Grey/Pink	-	1		Lenght (mm)	Order code
White/Yellow	PT 1000 (+)	2		3000	003108011128
White	PT 1000 (-)	3		5000	003108011130
Brown	-	4		10000	003108011132
Yellow	-	5			
Green	-	6			
Grey	+5Vdc	7	Signal free wire cable for general purpose with M23 90° connector		
Pink	Clock+	8		Lenght (mm)	Order code
White/Green	Clock-	9		3000	003108011134
Black	0Vdc	10		5000	003108011136
Shield1	Shield	11		10000	003108011138
Violet	-	12			
Red/Blue	-	13			
Brown/Green	DATA+	14			
Yellow/Brown	-	15			
Red	-	16			
Blue	DATA-	17			




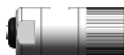

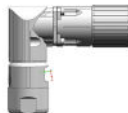
CABLES SPECIFICATIONS

POWER CABLES

FUNCTION	PIN/M23	Power free wire cable				
Phase U	1		SKA RT 148 - 245		SKA RT 335 - 430	
Phase V	4		Lenght (mm)	Order code	Lenght (mm)	Order code
Phase W	3		3000	003108007314	3000	003108005080
PE	2		5000	003108007302	5000	003108005104
N.C.	A		10000	003108007316	10000	003108005106
N.C.	B					
PT 1000 (+)	C					
PT 1000 (-)	D					

Power free wire cable with M23 90° connector		SKA RT 148 - 245		SKA RT 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

<p>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</p>	order code 007117000472	 
<p>Straight signal connenctor pin included ASTA014NN00410235000 17p/FM + 17 PIN 60.011.11 FM/1mm CRIMP,0,14-1</p>	order code 007117000462	 
<p>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</p>	order code 007117002055	 
<p>90° signal connenctor pin included ASDA014NN00480150000 + 17 PIN 60.011.11 FM/1mm CRIMP,0,14-1</p>	order code 007117002056	