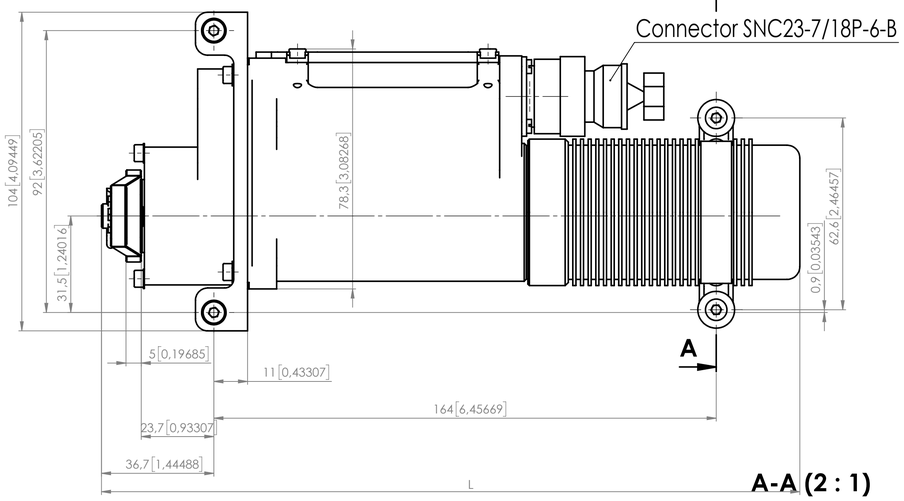
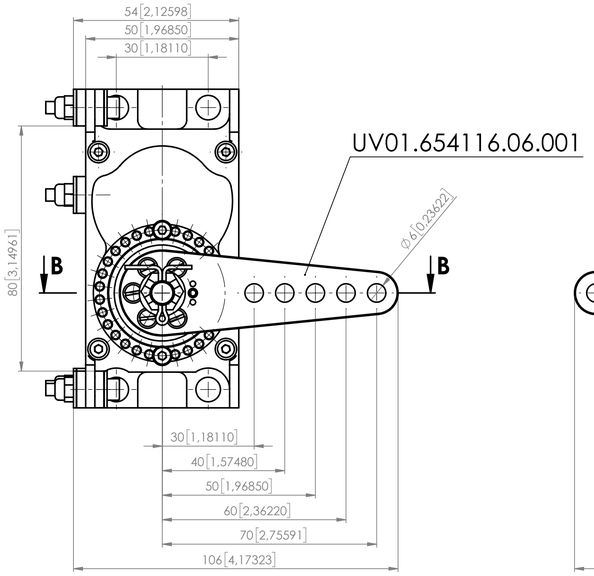
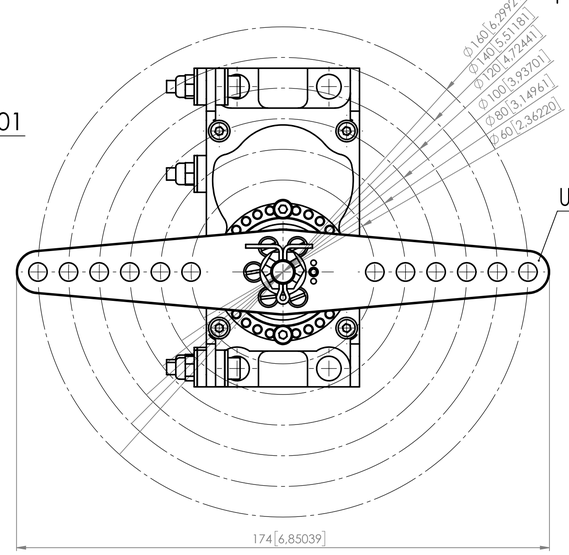
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



A-A (2 : 1)

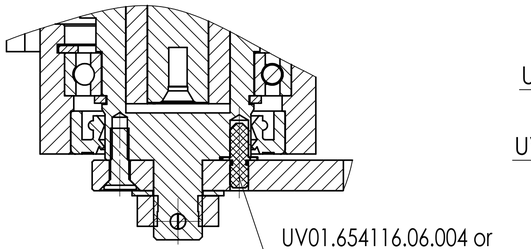




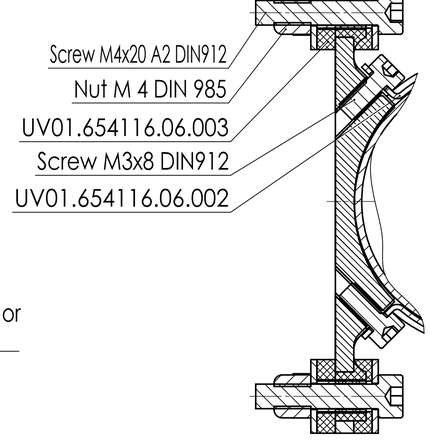
SNC 28-7/18B-1-B plug

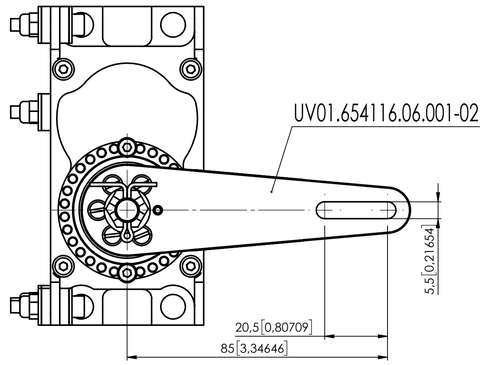
1	GND
2	+24 VDC
3	CAN H
4	CAN L
5	RS485A
6	RS485B
7	Housing

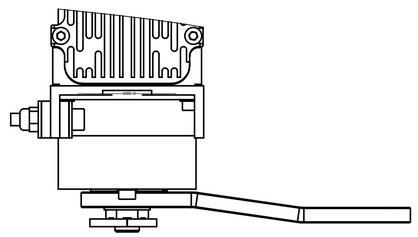
B-B (2 : 1)

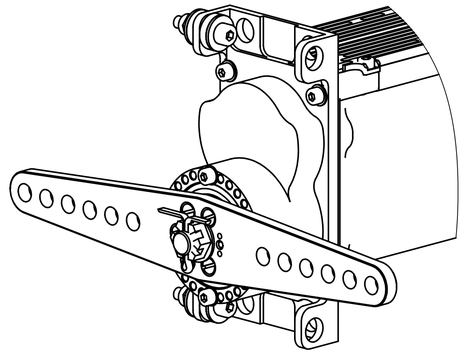


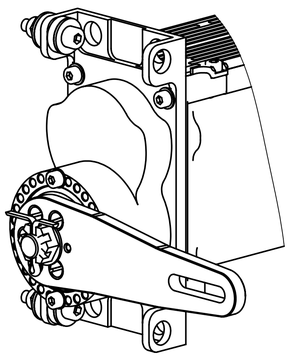
UV01.654116.06.004 or
UV01.654116.06.004-01 or
UV01.654116.06.004-02



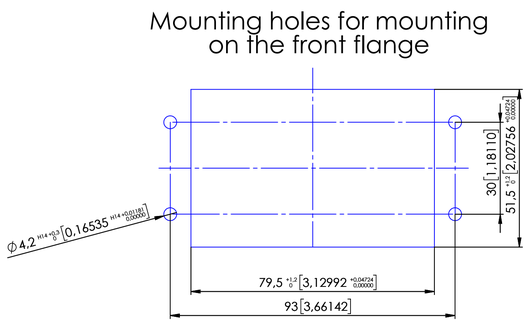


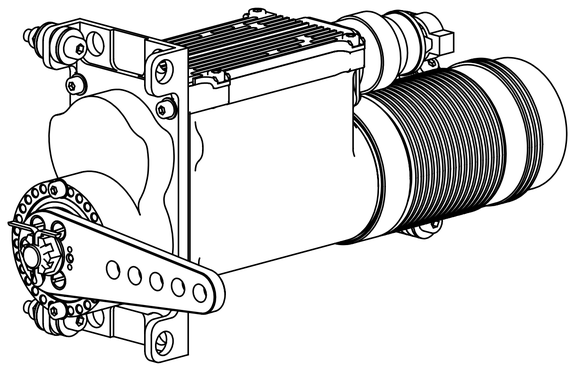






Mounting holes for mounting
on the front flange





Technical characteristics	SD-01-20 UV01.654116.06	SD-01-80 UV01.654116.07	SD-01-160 UV01.654116.08
Power supply, VDC		24	
Rated speed motor for continuous operation, min-1		4500	
Reduction ratio	20:1	80:1	160:1
Rated output shaft speed for continuous operation, min-1	262	65,5	32,75
Operating temperature range, °C		-40 to +70	
Rated output shaft torque for continuous operation, Nm	3,40	13,10	20,00
Nominal force on the breakaway element, N	340,00	1310,00	2000,00
Nominal force at hole 1 in the bellcrank, N	113,30	436,60	666,70
Nominal force at hole 2 in the bellcrank, N	85,00	327,50	500,00
Nominal force at hole 3 in the bellcrank, N	68,00	262,00	400,00
Nominal force at hole 4 in the bellcrank, N	56,80	217,50	332,00
Nominal force at hole 5 in the bellcrank, N	48,60	187,20	285,71
Nominal force at hole 6 in the bellcrank UV01.654116.06.001-01 , N	42,50	163,70	250,00
Nominal force on the bellcrank UV01.654116.06.001-02 , N	40,10	154,10	235,30
L, mm	228,00	228,00	235,50

Nominal force (and torque) on the breakaway element, N	UV01.654116.004	UV01.654116.004-01	UV01.654116.004-02
Shear force, N	988,00	1380,60	1601,60
Cutting torque, Nm	9,88	13,86	16,01
Shear force at hole 1 in the bellcrank, N	329,60	462,00	533,60
Shear force at hole 2 in the bellcrank, N	247,20	346,50	400,25
Shear force at hole 3 in the bellcrank, N	197,80	277,20	320,20
Shear force at hole 4 in the bellcrank, N	164,80	231,00	266,83
Shear force at hole 5 in the bellcrank, N	141,20	198,00	228,71
Shear force at hole 6 in the bellcrank UV01.654116.06.001-01, N	123,60	173,25	200,13
Shear force in the bellcrank UV01.654116.06.001-02, N	116,20	163,00	188,35

NEXT ASSY | USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED
DIM ARE IN MILLIMETERS
TOL ON ANGLES ±**0.5°**
0 PLACE ±**0.5** 1 PLACE ±**0.1**
INTERPRET DIM AND TOL
PER **ASME Y14.5M**
Surface Finish: **Ra3.2**

THIRD ANGLE PROJECTION

DRAFTER
CHECKER
DEV ENGR

CONTRACT NO.
UAVOS FUNDED

MATERIAL

UAVOS

TITLE

Servo Drive SD-1-20

SIZE	CAGE CODE	DRAWING NUMBER	REV
A1		UV01.654116.06	10
SCALE 1:1		WEIGHT KG 1,200	SHEET 1 OF 1