



Description	
Marine controller type BS 130-005	
Operation by	Lever command
Deflection angle (X-axis)	80°
Rotation angle (Z-axis)	360°
Detents (Z-axis)	4 (every 90°)
Neutral position (X-axis)	Non-locking, snap-in point
Connector DUBOX Walled Header	9-poles 76384-309
Mating connector DUBOX Housing	9-poles 65240-009
Special	LED illumination, dimmable (external poti)
Pin assignment	
1	Input 24 V DC, ±1.5 V
2	Ground (0V) / External 100kOhm potentiometer (-)
3	Wiper signal for external potentiometer If not used, connect to GND
4	Output Z-axis (U) ($0^\circ=0.5V/180^\circ=2.5V/360^\circ=4.5V$) ±100mV
5	Output X-axis (U) ($0^\circ=4.5V/80^\circ=0.5V$) ±100mV
6	Do not use
7	Output Z-axis (I) ($0^\circ=4mA/180^\circ=12mA/360^\circ=20mA$) ±0.2mA Max. impedance 500 Ohm
8	Output X-axis (I) ($0^\circ=20mA/80^\circ=4mA$) ±0.2mA Max. impedance 500 Ohm
9	External 100kOhm potentiometer (+)

				Oberfläche	Maßstab 1:1	Position	Menge	
			Datum	Name	Rotation + Speed control unit			
-	Dokumenten Anpassung 1	28.06.17	MK	Bearb. 07.12.10				Kiener M.
f	AEN-17-013	27.04.17	MK	Gepr. 07.06.18				Hess C.
e	Farben geändert	04.01.17	MK	Norm				
d	neue Print	25.10.16	MK					
c	Pinbelegung korrigiert	23.10.13	MK				Blatt	
b	Div. Änderungen	14.06.11	MK	GENGE & THOMA AG OH-2543 Lengnau/Bludenz		130-005f		
a	Electr. Änderungen	06.12.10	MK					
Zust.	Änderungen	Datum	Name	Dateiname	E:\Dwg\BS130...130-005f.dwg			