Multi-Axis Controller
V26

The V26 is a robust joystick commonly used in electro-hydraulic applications. Long life and high reliability is ensured by the latest contactless hall-technology. With many outputs and grip options the V26 series is hugely customisable.

Technical data

Mechanical life V26	10 million operating cycles
Supply voltage	See interface
Operation temperature	-40°C to +85°C
Degree of protection	IP22
Functional safety	PLd compatible (EN ISO 13849, complies SIL2 to DIN EN IEC 61508)

	V26	T	-R	+R	-B	-E...	-S...	-X
Basic unit								
V26 Multi-axis Controller, 2-axis	●							
Grip / Palm Grip								
Knob *(included in basic unit!)*		●	●	●	●	●	●	●
T Dead man		●	●	●	●	●	●	●
H Signal button		●	●	●	●	●	●	●
D Push button		●	●	●	●	●	●	●
B... Palm Grip B... *(see page Palm Grip 161)*		●	●	●	●	●	●	●
Axis 1								
R Friction brake			●	●	●	●	●	●
Axis 2								
R Friction brake				●	●	●	●	●
Cover housing								
B Cover housing *(included in basic unit!)*					●	●	●	●
Interface *(description see on the following pages)*								
E3xx CAN-interface						●	●	●
E4xx CANopen Safety interface						●	●	●
Plug connectors								
S... Standard plug connectors *(see page 125)*							●	●
Special model								
X Special / customer specified								●

Technical details may vary based on configuration or application! Technical data subject to change without notice!

V2023/1 01.01.2023

CAN				
Supply voltage	9-36 V DC			
Idle current consumption	120 mA			
	External digital output for LEDs 5-30 mA (dependent on the number of LEDs)			
	Digital switching output (potential-free) 100 mA			
Mounting depth A	E3091: 105 mm			
	E3091X: 130 mm			
	E3101X - E3103X: 130 mm			
	E3104X - E3105X: 160 mm			
Protocol	CANopen CiA DS 301 or SAE J 1939 (based on)			
Baud rate	125 kBit/s to 1 Mbit/s (standard 250 kBit/s)			
Wiring	CAN (IN) cable 300 mm with plug connector M12 (male)			
	CAN (OUT) cable 300 mm with plug connector M12 (female)			
	External in-/outputs cable 300 mm without plug connector			
	External in-/outputs cable 300 mm without plug connector (additionally from 32 in-/outputs)			
	Optional with plug connector *(standard plug connectors see page 125)*			S
CAN expansion stage 1		E309	1	
- 7 analog joystick axis				
- 16 digital joystick functions				
- Input for capacitive sensor				
With additional external in-/outputs				
- 8 external LED-outputs (dimmable optional), 1 switching output (potential-free, 100 mA), 8 external digital inputs			2	
- 16 external LED-outputs (dimmable optional), 1 switching output (potential-free, 100 mA), 16* external digital inputs			3	
**External LED-outputs can be used for LEDs in the grip!*				
**With the use of capacitive sensor, the external digital inputs are reduced by one input!*				

CANopen Safety				
Supply voltage	9-36 V DC			
Idle current consumption	120 mA			
	External digital output for LEDs 5-30 mA (dependent on the number of LEDs)			
	Digital switching output (potential-free) 100 mA			
Mounting depth A	E4091: 105 mm			
	E4091X: 130 mm			
	E4101X - E3103X: 130 mm			
	E4104X - E3105X: 160 mm			
Protocol	CANopen Safety EN50325-5			
Baud rate	125 kBit/s to 1 Mbit/s (standard 250 kBit/s)			
Wiring	CAN (IN) cable 300 mm with plug connector M12 (male)			
	CAN (OUT) cable 300 mm with plug connector M12 (female)			
	External in-/outputs cable 300 mm without plug connector			
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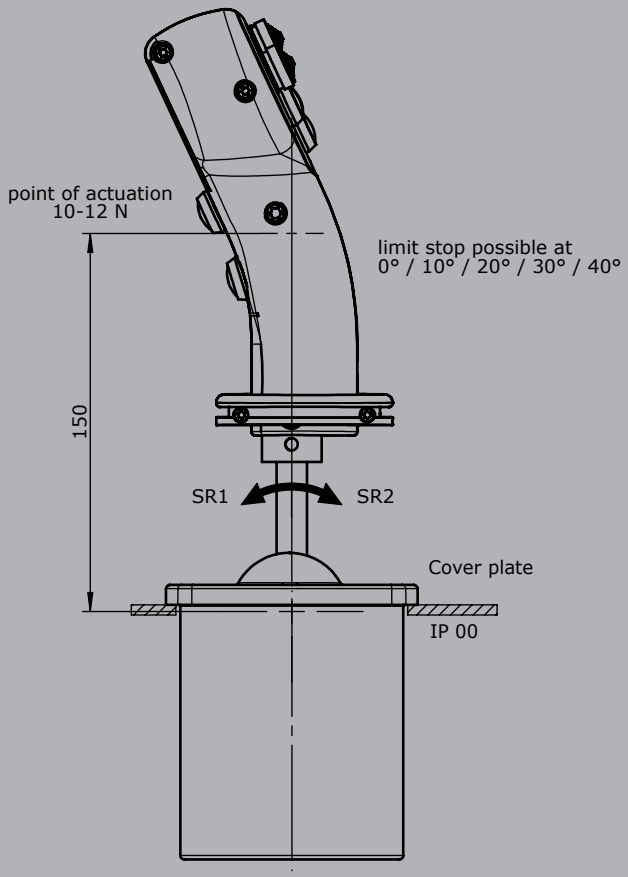
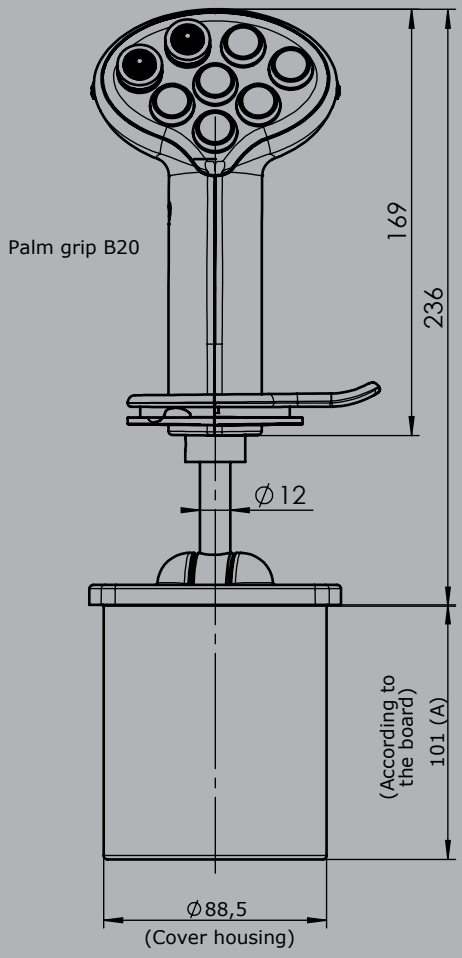
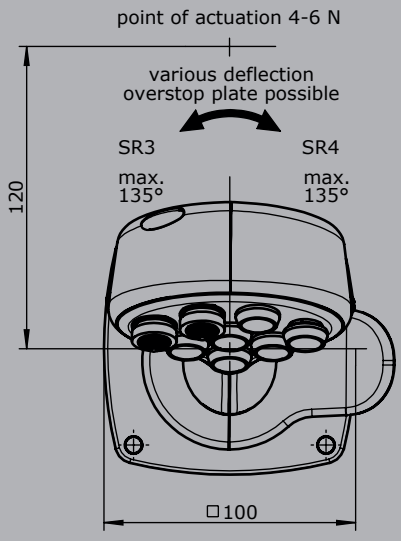
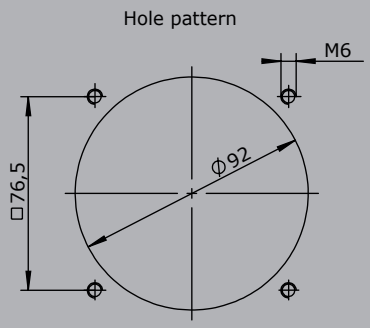
Attachments	
Z01 Mating connector M12 male insert with 2 m cable	20201140
Z02 Mating connector M12 female insert with 2 m cable	20202298









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