NEW

DJW

Joystick for ISOBUS and Safety related applications

walvoil
FLUID POWER E|MOTION

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The new Walvoil joystick is designed for safety related applications up to Performance Level d / SIL 2.
This robust joystick is completely sealed and protected against water and dust ingress (IP67/IPx9K).
The high performance hardware architecture allows the joystick to be used in ISOBUS applications where a modern user interface (colour and high resolution) is required.

The joystick is suitable for 12V and 24V applications thanks to the 8 - 32V power supply input range.
With the high number of input pins, the joystick can collect all the signals of the handle (thumbwheels, push buttons, roker switches, ...) and send them over the CANbus network with SAE J1939, CANopen, CANopen Safety or ISOBUS protocol.
It is qualified following the most rigorous international and customers standards.

- ☐ **Hall effect contactless sensor**
- ☐ **Suitable for Safety application**
- ☐ **ISOBUS version, UT 2.0, AUX-N 1.0**
- ☐ **Suitable for Walvoil handles**
- ☐ **Different connector options**

Working conditions		
Electrical specifications		
Supply voltage (VBB)		From 8 to 32 V
Max. supply current	without grip	100 mA (no load)
CAN bus Output		SAEJ1939, CanOpen, CanOpen Safety, ISOBUS
Mechanical specifications		
Mechanical and Electrical life		1.000.000 cycles
Lever angle	operation	±20° for axis
Environmental specifications		
Temperature operating		from -40° C to 85° C - *from -40° F to 185° F*
Storage temperature		from -40° C to 85° C - *from -40° F to 185° F*
Weather protection		IP 67/IPx9K
EMC		according to ISO 14982 /13766

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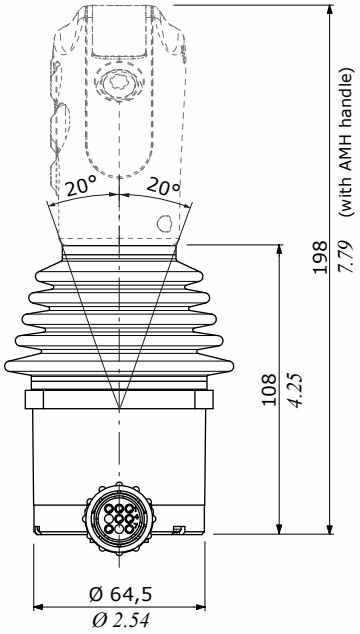
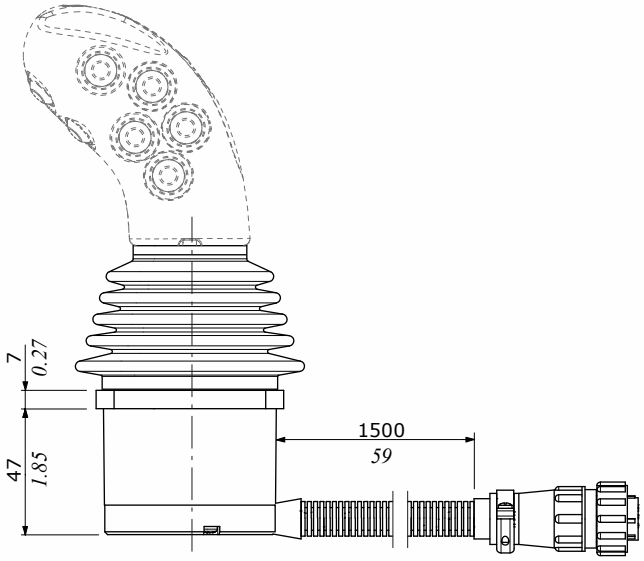
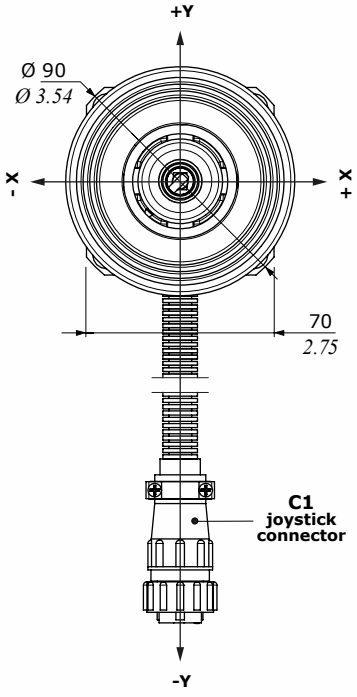
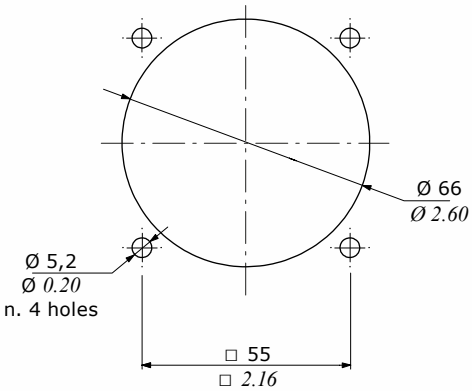
ISOBUS application example



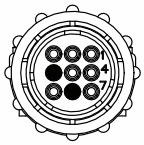




Fixing hole



PINOUT C1 CONNECTOR
AMP CPC Connector-MPF 9P



PIN	COLOR	FUNCTION
1	Red	Vbb
2	Green	CAN_L
3	Green	CAN_L
4	Yellow	CAN_H
5	Yellow	CAN_H
6	-	Not connected
7	Red	Vbb
8	-	Not connected
9	Black	GND

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