

SAFETY PRODUCTS

Three-position device

JSHD4

JSHD4 is a three-position device used to allow a limited movement of the machine when the operator is in the dangerous area, for example during troubleshooting, test running and programming.

The operator pushes the larger black button to a middle position in order to allow a movement. In case of danger, the operator will either release the button or squeeze it to its bottom position and the machine will stop.

JSHD4 is available with different types of connectors for an optimal adaptation to the application. Some models offer additional top and front button to control a non-safe signal, for ex. move forward and/or backward.



Safety and protection

Cheat-safe hand recognition

All JSHD4 models comply with PL e/ Cat 4. Some models offer an “anti-tamper” function: an extra signal indicate if the JSHD4 is held in the middle position by a human hand. A machine movement will be authorized only in presence of this signal and not if the device is held in run position by any other (fraudulent) mean.



Optimum interface

Ergonomic shape and operation

JSHD4 is ergonomic, both in respect of its shape, fitting to the hand, and the way the buttons are operated. JSHD4 is easy to operate using just the fingers (even with gloves), and the middle position provides a safe resting position.



Continuous operation

Safely inspect a running machine

JSHD4 allows the operators to safely inspect the manufacturing process without completely stopping the machine.

Choose top part, bottom part and anti-tamper

This list shows the possible combination of features. Some combinations can be ordered pre-assembled with a single order code. Other combinations need to be ordered in separate parts (see catalog pages [2TLC010001C0202](#)).



AA, AH, AJ - Cable gland



AB, AK - Cannon connection



AC, AD - M12 connection



AE - M12 with E-stop



AL - Cable gland and holder for Eva (used with JSM54)

Top part	Bottom part	ID	Connection	Anti-tamper	Type	Order code
Buttons and LEDs No LEDs No buttons	Use your own cable	AA	Cable gland and 5 screw connections		JSHD4-1-AA	2TLA019995R0000
	Cost effective and quick connection	AC	M12-5 male		JSHD4-1-AC	2TLA019995R0100
	Holder for Eva (used with JSM54)	AL	Cable gland and 10 screw connections		JSHD4-1-AL	Order separate parts
JSHD4-2 LEDs Front button Top button	Cost effective and robust	AB	Cannon 12 male pins		JSHD4-2-AB	2TLA019995R0200
	Cost effective and quick connection	AD	M12-8 male	●	JSHD4-2-AB-A	Order separate parts
		AD	M12-8 male	●	JSHD4-2-AD	2TLA019995R0400
	Use your own cable, simplified connection	AD	M12-8 male	●	JSHD4-2-AD-A	Order separate parts
		AH	Cable gland and 10 screw connections	●	JSHD4-2-AH	2TLA019995R0800
	Use your own cable, full pin connection	AH	Cable gland and 10 screw connections	●	JSHD4-2-AH-A	Order separate parts
		AJ	Cable gland and 16 screw connections	●	JSHD4-2-AJ	Order separate parts
	Replacement of old units*	AJ	Cable gland and 16 screw connections	●	JSHD4-2-AJ-A	Order separate parts
	Replacement of old units*	AK	Cannon 12 male pins		JSHD4-2-AK	2TLA019995R4800
	Holder for Eva (used with JSM54)	AL	Cable gland and 10 screw connections	●	JSHD4-2-AL	Order separate parts
JSHD4-3 LEDs No buttons	Cost effective and robust	AB	Cannon 12 male pins		JSHD4-3-AB	Order separate parts
	Cost effective and quick connection	AD	M12-8 male	●	JSHD4-3-AB-A	Order separate parts
		AD	M12-8 male	●	JSHD4-3-AD	Order separate parts
	E-stop	AE	M12-8 male		JSHD4-3-AD-A	Order separate parts
	Use your own cable, simplified connection	AE	M12-8 male		JSHD4-3-AE	Order separate parts
		AH	Cable gland and 10 screw connections	●	JSHD4-3-AH	2TLA019995R2000
	Use your own cable, full pin connection	AH	Cable gland and 10 screw connections	●	JSHD4-3-AH-A	Order separate parts
		AJ	Cable gland and 16 screw connections	●	JSHD4-3-AJ	Order separate parts
	Replacement of old units*	AJ	Cable gland and 16 screw connections	●	JSHD4-3-AJ-A	Order separate parts
	Replacement of old units*	AK	Cannon 12 male pins		JSHD4-3-AK	Order separate parts
Holder for Eva (used with JSM54)	AL	Cable gland and 10 screw connections	●	JSHD4-3-AL	Order separate parts	
JSHD4-4 LEDs Front button	Cost effective and robust	AB	Cannon 12 male pins		JSHD4-4-AB	Order separate parts
	Cost effective and quick connection	AD	M12-8 male	●	JSHD4-4-AB-A	Order separate parts
		AD	M12-8 male	●	JSHD4-4-AD	Order separate parts
	Use your own cable, simplified connection	AD	M12-8 male	●	JSHD4-4-AD-A	Order separate parts
		AH	Cable gland and 10 screw connections	●	JSHD4-4-AH	Order separate parts
	Use your own cable, full pin connection	AH	Cable gland and 10 screw connections	●	JSHD4-4-AH-A	Order separate parts
		AJ	Cable gland and 16 screw connections	●	JSHD4-4-AJ	Order separate parts
	Replacement of old units*	AJ	Cable gland and 16 screw connections	●	JSHD4-4-AJ-A	Order separate parts
	Replacement of old units*	AK	Cannon 12 male pins		JSHD4-4-AK	Order separate parts
	Holder for Eva (used with JSM54)	AL	Cable gland and 10 screw connections	●	JSHD4-4-AL	Order separate parts
JSHD4-5 LEDs Top button	Cost effective and robust	AB	Cannon 12 male pins		JSHD4-4-AL-A	Order separate parts
	Cost effective and quick connection	AD	M12-8 male	●	JSHD4-4-AL-A	Order separate parts
		AD	M12-8 male	●	JSHD4-5-AD	Order separate parts
	Use your own cable, simplified connection	AD	M12-8 male	●	JSHD4-5-AD-A	Order separate parts
		AH	Cable gland and 10 screw connections	●	JSHD4-5-AH	Order separate parts
	Use your own cable, full pin connection	AH	Cable gland and 10 screw connections	●	JSHD4-5-AH-A	Order separate parts
		AJ	Cable gland and 16 screw connections	●	JSHD4-5-AJ	Order separate parts
	Replacement of old units*	AJ	Cable gland and 16 screw connections	●	JSHD4-5-AJ-A	Order separate parts
	Replacement of old units*	AK	Cannon 12 male pins		JSHD4-5-AK	Order separate parts
	Holder for Eva (used with JSM54)	AL	Cable gland and 10 screw connections	●	JSHD4-5-AL	Order separate parts
Holder for Eva (used with JSM54)	AL	Cable gland and 10 screw connections	●	JSHD4-5-AL-A	Order separate parts	
	AL	Cable gland and 10 screw connections	●	JSHD4-5-AL-A	Order separate parts	

* See document [2TLC010007L0201](#) for information about replacement

Note

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