

# 630

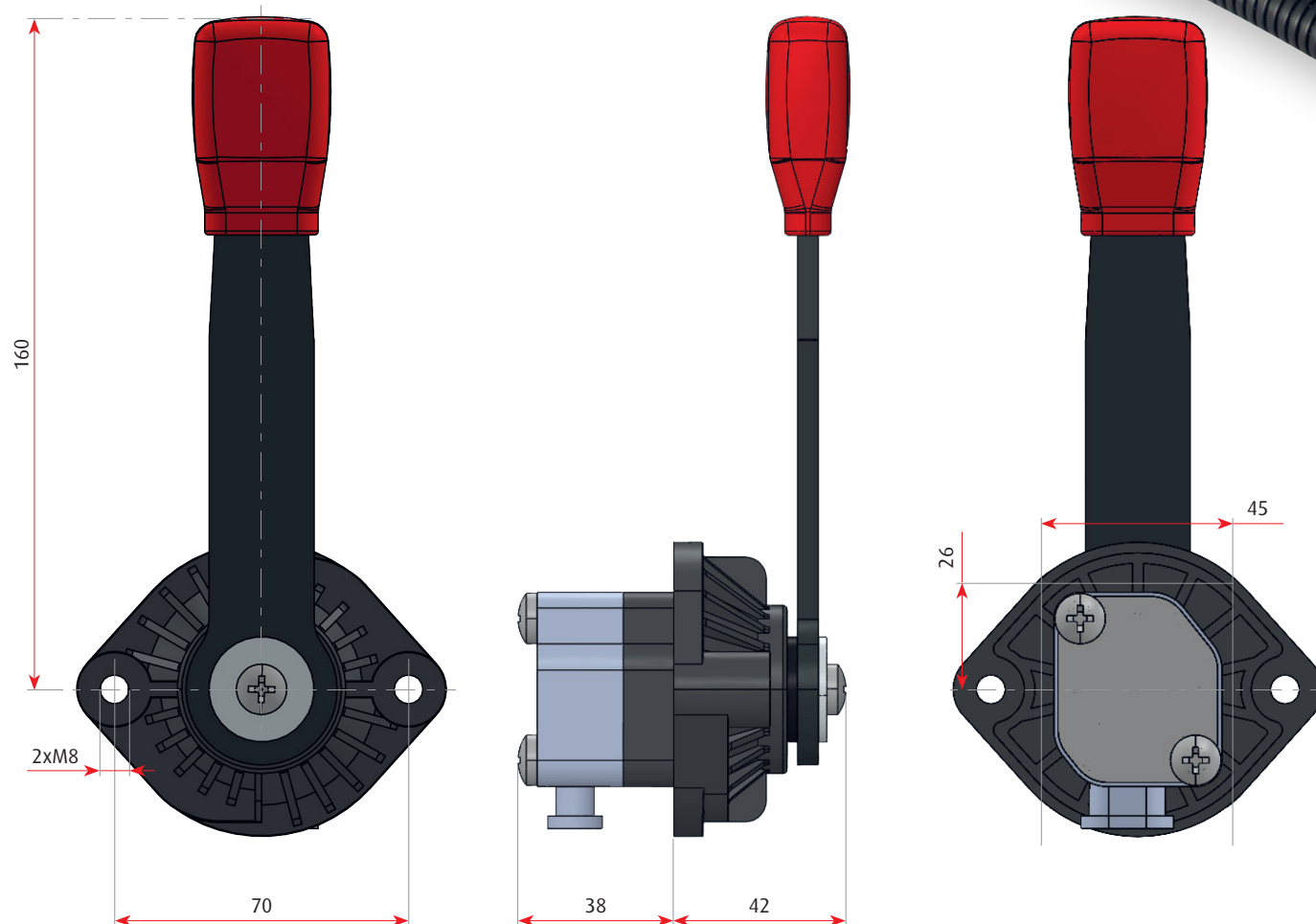
## Electronic control lever

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This series of electronic control levers is suitable for a variety of applications, including industrial vehicles, agricultural machines, heavy duty and any other kind of special machines.

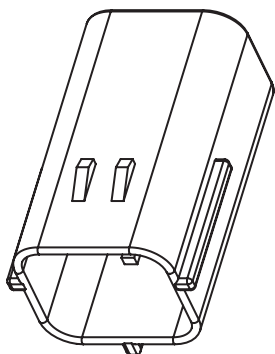
The die cast lever is simple, very robust and thanks to the non-contact sensor technology, it can operate in harsh environments in continuous operation with high reliability and long working life. It can be mounted either in the cabin or in open air. The sensorless technology guarantees a longer life time, if compared with a lever with potentiometer. Thanks to its different versions, 1 or 2 channels, with or without idle validation switch, PWM, current and CANBus, this lever can interface with almost all electronic motors.

Upon request lever 630 can be equipped with company logo. Electrical cable can also be configured in the desired length, number of poles, type of connector.

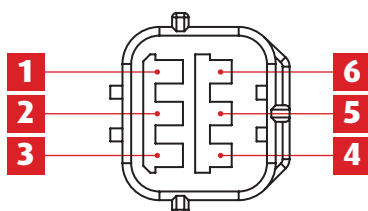


MECHANICAL SPECIFICATION	
• Operational life (at 25 °C)	10 million cycles
• Operating temperature	-40 °C .. +80 °C
• Storing temperature	-40 .. +110 °C
• Weight	0.50 kg
• Rotation	On bushes
• Mechanical friction	Adjustable
• Travel angle	60 degrees

ELECTRICAL SPECIFICATION (VERSION WITH VOLTAGE SIGNALS)	
• Sensor	Hall effect
• Electrical signal	Voltage output galvanically separated
• Kind of signal	Ratiometric
• Linearity	2%
• Accuracy	2%
• Power supply	5 V ±10%
• Current consumption	<10 mA (per each channel)
• Minimum load resistance	4.7 KΩ
• Maximum load capacitance	10 nF



Front view (contacts side)



### PINOUT WITH STANDARD CONNECTOR (TYCO ECONOSEAL J 6 VIEWS)

PIN	CH.1 = VOLTAGE SIGNAL CH.2 = VOLTAGE SIGNAL		CH.1 = VOLTAGE SIGNAL CH.2 = IVS	
	DESCRIPTION	COLOR	DESCRIPTION	COLOR
• 1	GND	Black	GND	Black
• 2	Ch.1 - Signal	Brown	Ch.1 - Signal	Brown
• 3	Ch.1 - Supply	Red	Ch.1 - Supply	Red
• 4	Ch.2 - Signal	Blue	Ch.2 - Supply	Blue
• 5	Ch.2 - Supply	Green	IVS - NO	Green
• 6	GND	Yellow	IVS - NA	Yellow

### ELECTRONIC LEVER WITH VOLTAGE CHANNELS

Below are reported the typical standard configuration of control lever with 1 channel, 2 channels voltage output and 1 channel voltage + 1 Idle Validation Switch. Electrical cable standard length is 0.5 meter but any other length can be defined when ordering. Factory standard connector is AMP Metripack 6 poles but it can also be defined when ordering.

INTERFACE CONFIGURATION	CODE	SIGNAL OUTPUT
• 1 channel	630.01.00	CH1 = voltage signal
• 2 channels	630.02.00	CH1 = voltage signal; CH2 = voltage signal
• 1 channel + 1 idle validation switch	630.03.00	CH1 = voltage signal; CH2 = IVS

For a complete overview of Lever 630 configured with different possible interfaces, please refer to section ECU Interfaces.

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