



- Converter for voltage to current, easy to connect as a cable directly to the joystick
- 3 channels for converting 0 to 5 V to 4 to 20 mA
- Operating temperature -20°C to +60°C

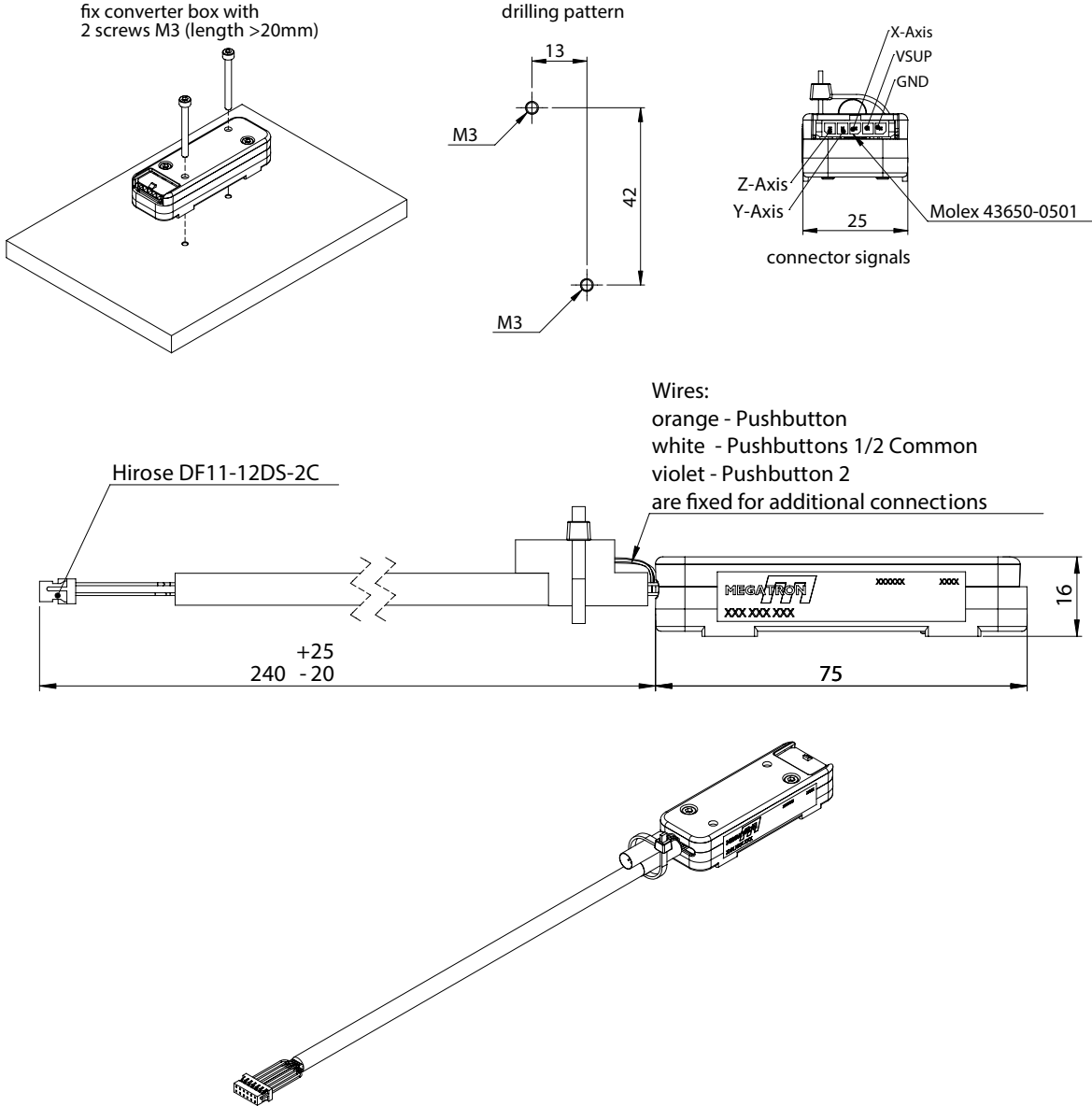
The VIC TRY100/TRY120 connection cable is a cable with an integrated electronics box that can be ordered as an extension to the TRY100 and TRY120. The converter supplies the joystick with voltage and converts the voltage signals (0...5 V) of the joystick into current signals of 4 to 20 mA. It is equipped with a Molex connector type 43650-0501, a connection cable (Art. 136368 is available). Wires for button outputs are not fed through the converter, but wires are provided at converter insulated by a shrink tube.

Technical data	
Supply voltage	12 to 24 V
Current consumption	Dependent on use, sum of the following 1) basic consumption 40 mA 2) sum of currents per channel (4..20 mA, max. 30 mA) 3) consumption of joystick
Output signal	4 to 20 mA (max. 3 channels)
Operating temperature	-20°C to +60°C
Independent linearity	< ±1% (must be added to linearity of joystick!)
Temperature-dependent drift	< ±0.01%/°C
Insulation resistance	> 1000 MOhm at 500 VDC
Terminating resistor	25 to 50 Ohm (Attention: this load resistance must be implemented at the customer's side!)
Connector (housing)	Molex 43650-0501
Mounting notes	The converter box can be mounted by the customer using two M3 screws (see drawing for details). Tensile loads on the converter connections must be avoided.
Connector cable (not included)	136368, VIC Connector Cable, 5 pin, length 300 mm

Immunity (only valid for converter)			
Port	Disturbance type	EMC Specification	Test Level
Housing	ESD	IEC 61000-4-2	4 kV Contact / 8 kV Air
	Conducted Sinus Wave	IEC 61000-4-3	3 V/m 80 MHz - 6 GHz
DC Power	BURST	IEC 61000-4-4	1 kV (5 kHz)
	Conducted Sinus Wave	IEC 61000-4-6	3 V (150 kHz-80 MHz)
I/O	BURST	IEC 61000-4-4	1 kV (5 kHz)
	Conducted Sinus Wave	IEC 61000-4-6	3 V (150 kHz-80 MHz)

Emission (only valid for converter)			
Port	Disturbance type	EMC Specification	Class
AC/ DC Power	Emission	CISPR 55011	B
Housing	Emission	CISPR 55011	B

Technical drawing VIC TRY100/TRY120



Connector cable (not included in delivery, must be ordered separately)

Pin assignment

Pin	Colour	Function (VIC)
1	bk	GND
2	rd	VSUP, 12 to 24 V
3	bu	Channel 1, 4 to 20 mA
4	ye	Channel 2, 4 to 20 mA
5	gn	Channel 3, 4 to 20 mA

