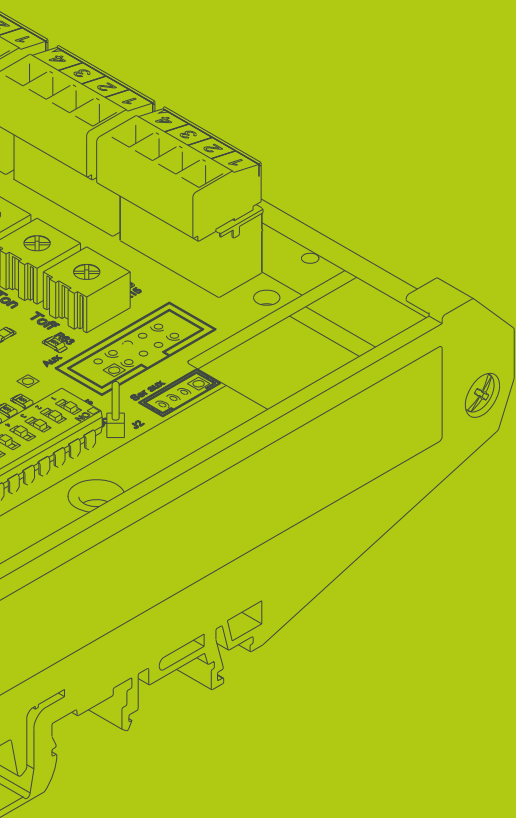
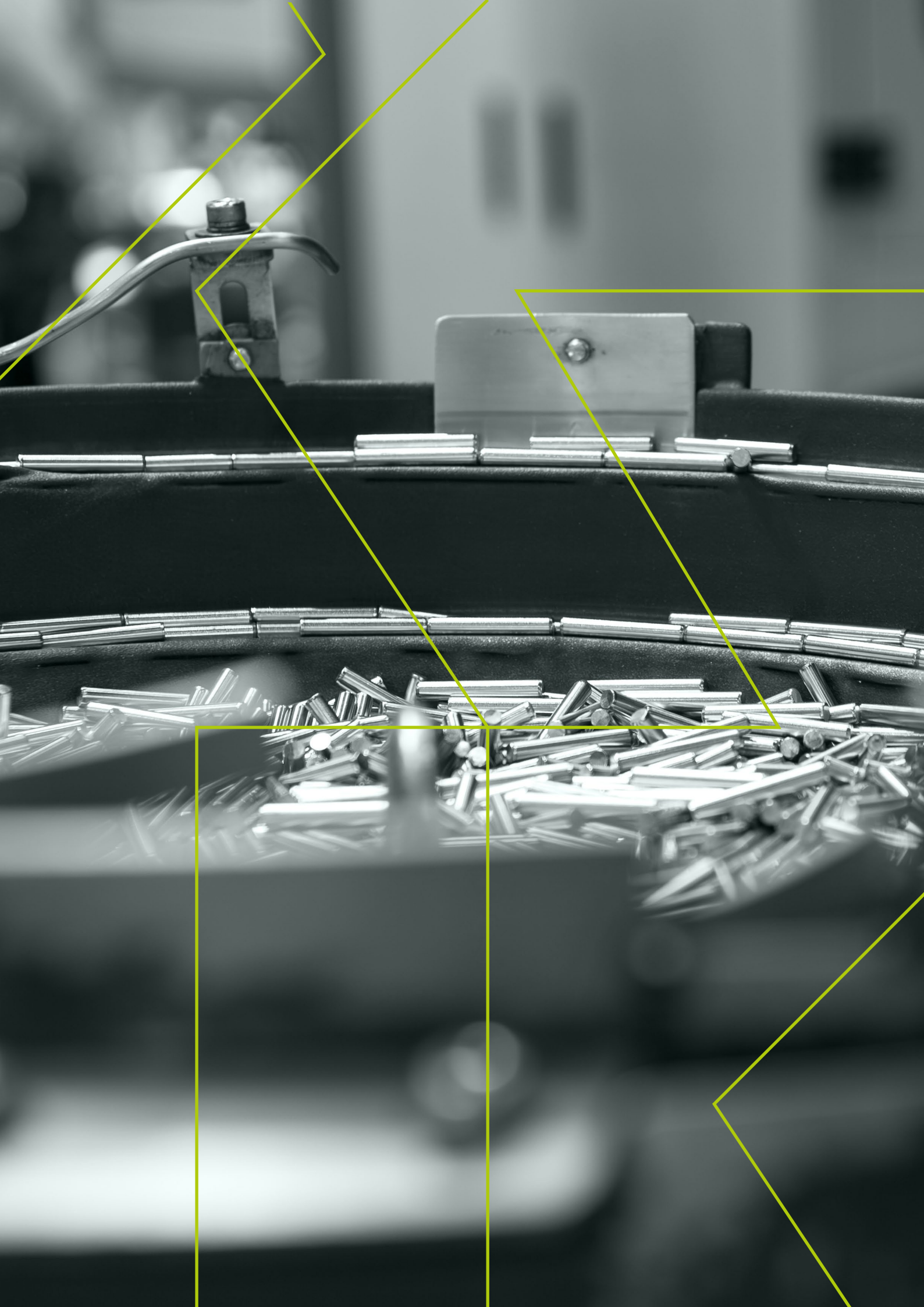


PRODUCTS FOR VIBRATORY CONVEYOR APPLICATION

Siltronic: manufacturers with decades of experience producing state-of-the-art vibratory devices and developing customized electronic circuits and cable harnesses for the OEM market.



INTRO	Forvib: innovation brand for the control of vibratory conveyor applications	05
	Applications Fields	09
	Ordering Key legend	09
CT SERIES	Controller Triac Series	11
	IP 00 - Open circuit version with DIN rail support for cabinet installation	14
	1 CHANNEL	14
	2 CHANNELS	15
	IP 54 - Aluminium box for direct assembly on the vibrating device	16
	WITHOUT CONNECTOR (INLET AND OUTLET WITH CABLE GLANDS)	16
	WITH SCHUKO PLUG INLET AND CONNECTOR OUTLET	17
	WITH UK PLUG INLET AND CONNECTOR OUTLET	18
	WITH CONNECTORS AND CABLE GLANDS	19
	IP 54 - Accelerometer	20
	ACCELERATION SENSOR WITH CONNECTOR	22
	ACCELERATION SENSOR WITH CABLE GLAND	21
ACCESORIES	Supplementary products	23
	SELF ASSEMBLY CIRCULAR CONNECTORS	24
	CIRCULAR CONNECTORS WITH CABLE	24
	SOLENOID VALVE CONNECTORS (SELF ASSEMBLY AND WITH CABLE)	25
	POWER CONNECTORS	25
APPENDIX	Technical Drawings	27



Forvib: innovation brand for the control of vibratory conveyor applications

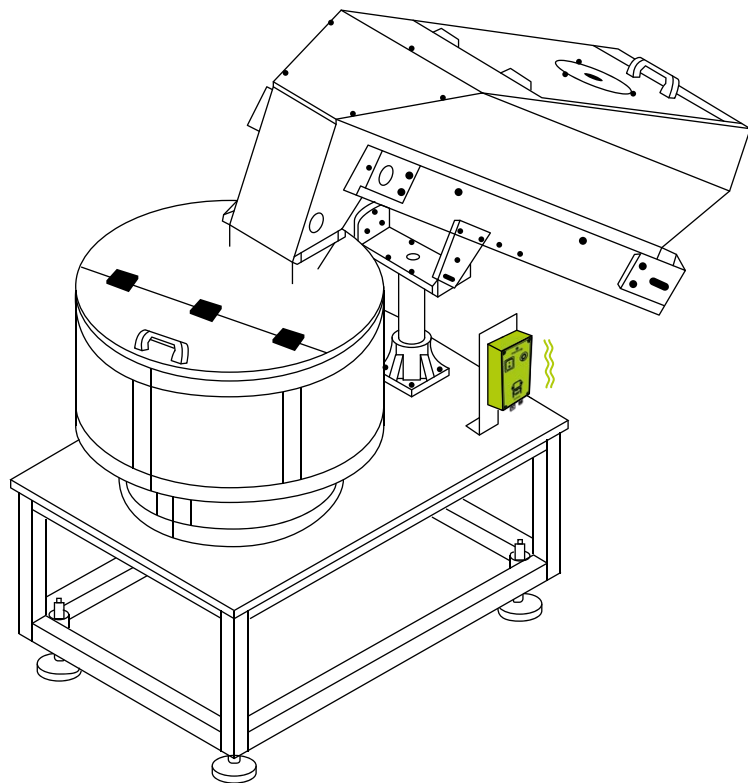
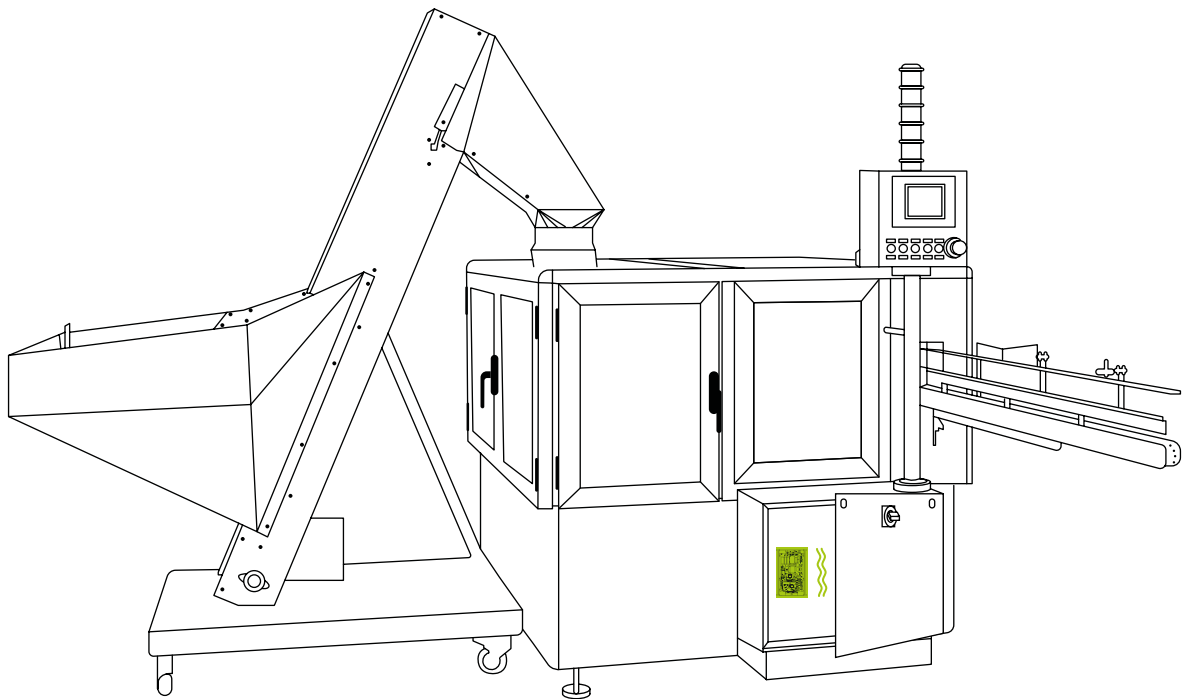
Forvib is a brand of Siltronic Srl, a well-known Italian supplier of customized circuit boards, connectivity applications and cable harness solutions designed jointly with customers. In 1996 we implemented our first customized set of controllers in collaboration with a major Italian manufacturer of vibrating conveyors. Over the years we have developed new solutions with integrated logic and microprocessors, which led to us gaining the necessary experience to complete our catalogue. Our high quality products, technical background and focus on market requirements allow us to offer a tailored solution to support our customers' growth.

For decades we have manufactured state-of-the-art phase angle control devices as well as customized electronic control circuits and cable harnesses, all of which can be used as OEM products.

Siltronic Srl is an Italian company based in Milan and through its customer oriented ethos and technical experience, specializes in providing tailored solutions in the electro-mechanical market sector. Working in partnership with our customers and sharing our expertise and experience gained

over more than 30 years, our technical staff can offer total support from the development of an initial idea through to production and industrial solutions, all to the highest standard.

Continuous monitoring of production steps and functional test controls mean we can ensure optimum product reliability. We enjoy long-term relationships with our electronic components suppliers along with a fully automated supply chain for SMT assembly and a qualified manual production of THT components and can support the development of your product from prototype to final assembly. We offer a sampling service and quick turnaround pre-series production of electronic circuit boards including sourcing components, assembly and initial test reports. Close collaboration with our partners allows us to provide complete support in the industrialization of designed products including implementation and management of functional test systems. Constant research and development combined with technical support enables us to work with leading organisations in the following market sectors: industrial automation and robotics, home automation and security systems, pharmaceutical, cosmetics, food, packaging, transportation and assembly.

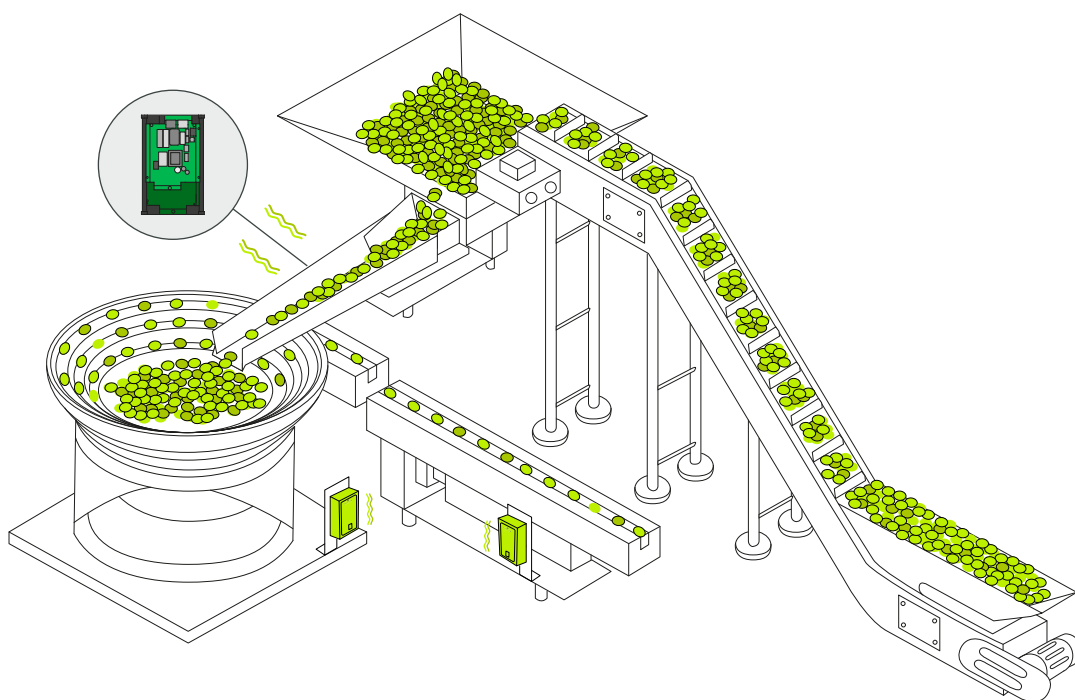


Thanks to our many years
of all-round expertise in
automation technology,
we are able to provide
solutions which are
tailored to suit your exact
requirements.

Forvib develops and produces phase angle controllers and frequency converters for industrial conveyors which transport items via assembly lines through vibrating bowl feeders, hoppers and conveyors. Our controllers are used for assembly applications in industrial automation where a vibratory feeder is needed. Each vibratory feeder is driven by an electronic control device and our range offers a complete selection to cover all required properties for conveying items. Starting with simple controls that use triac in the phase control providing a variable voltage for the magnet, up to

frequency convertors that generate any drive frequency and amplitude for vibratory feeders, a large number of control units is included in this series.

The design of the devices starts with printed circuit boards for integration in their own housings or switch boxes, via control cabinet devices for mounting rails or mounting plates, to self-sufficient housing designs in protection classes from IP00 to IP54. Individual devices can be linked to form systems that operate complete feed stations via control inputs and outputs.



Vibratory conveyor technology.

APPLICATION FIELDS

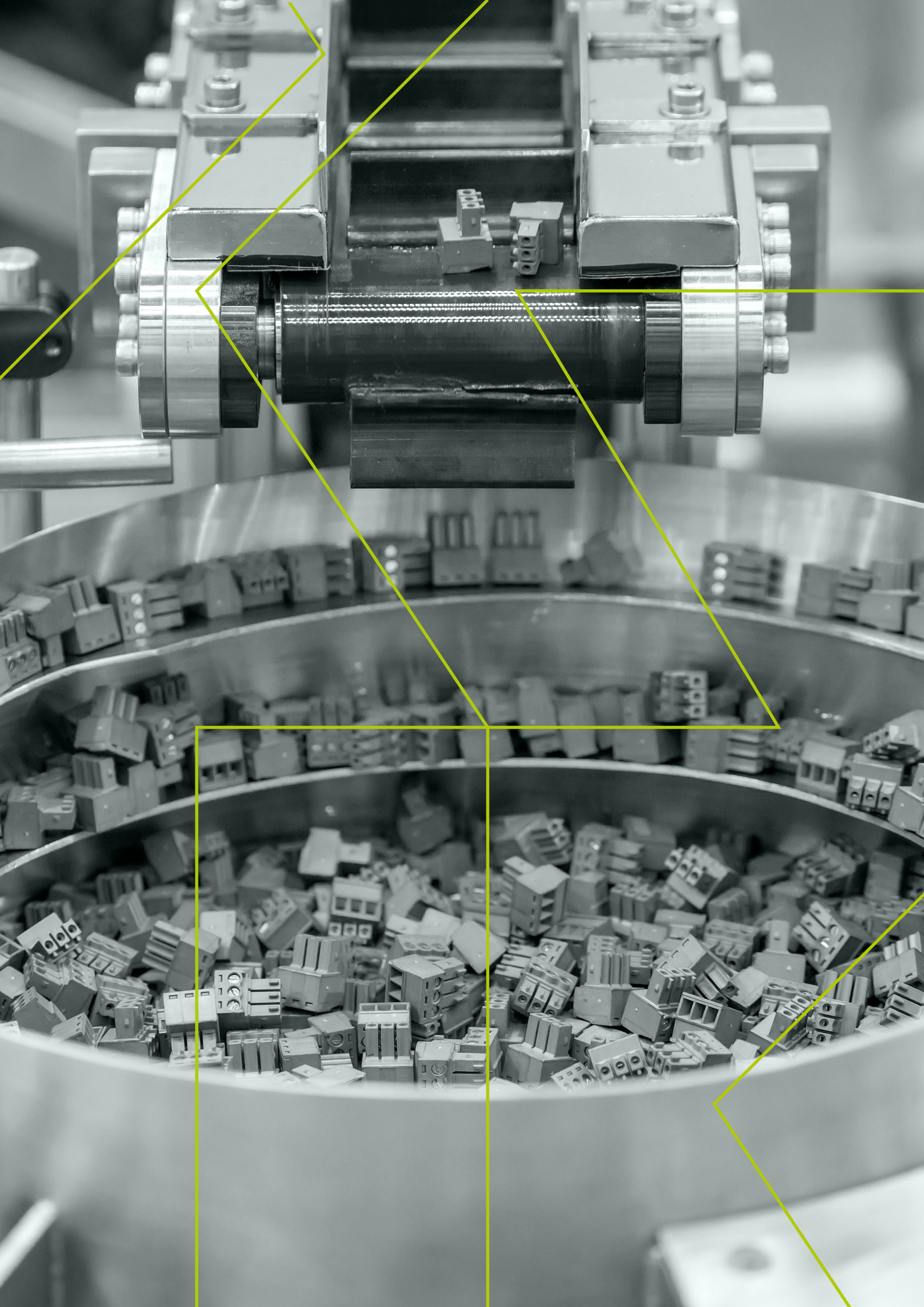
Vibrating conveyor technology is utilized for feeding various components to be conveyed in machines for the following market segments:

- INDUSTRIAL - ELECTROMECHANICAL ASSEMBLY AUTOMATION
- PACKAGING
- FOOD & BEVERAGE
- PHARMACEUTICALS
- COSMETICS & PERSONAL CARE
- HOME AUTOMATION
- PRINTING INDUSTRY
- FMCG

CODE KEY

In our catalogue you can find a complete range of controllers and converters to cover all the technical aspects for the flow of the conveyed items.

PRODUCT	SERIES	CURRENT	VOLTAGE	HOUSING	NR CHANNEL	NR SENSOR	OUTPUT	ACCELEROMETER	CUSTOMER
C	T	A	1	B	1	1	A	A	A00
C→ controller	T→ triac	A→ 4A	1→ 115Vac	B→ box	1→ 1 output channel	1→ 1 sensor	A→ no connector	A→ with accelerometer	AA0→ customization
		B→ 6A	2→ 230Vac	D→ din	2→ 2 output channels	2→ 2 sensors	B→ plug Schuko		
		C→ 8A	3→ 115/ 230Vac	C→ circuit		3→ 3 sensors	C→ side connector		
		D→ 10A				4→ 4 sensors	D→ plug UK		
		E→ 12A							



Controller Triac Series

IP 00 - Open circuit version with DIN rail support for cabinet installation

- 1 CHANNEL
- 2 CHANNELS

IP 54 - Aluminium box for direct assembly on the vibrating device

- WITHOUT CONNECTOR (INLET AND
OUTLET WITH CABLE GLANDS)
- WITH SCHUKO PLUG INLET AND
CONNECTOR OUTLET
- WITH UK PLUG INLET AND CONNECTOR
OUTLET
- WITH CONNECTORS AND CABLE GLANDS

IP 54 - Accelerometer

- ACCELERATION SENSOR WITH
CONNECTOR
- ACCELERATION SENSOR WITH
CABLE GLAND

The CT series control units for operating vibrating conveyors, are available in **IP 54 or IP 00 protection degree** respectively for direct mounting on the application or for control cabinet installation. The IP54 protected options are available with different versions and customizations in accordance with customer requirements:

- inlet and outlet with cable glands or with cable already assembled;
- inlet with Schuko or UK plug and outlet with female 3 poles power connector;
- inlet and outlet with male and female power connector.

Our devices work according to the phase angle control principle and supply an adjustable output voltage which is applied to drive the magnet of the conveyors. The conveying capacity of the conveyors is adjusted through a potentiometer, 0,10Vdc / 0,20mA signal. The setting range of the potentiometer can be scaled by using internal trimmers Umin/Umax, thus obtaining a linear regulation in the range of 0...100%.

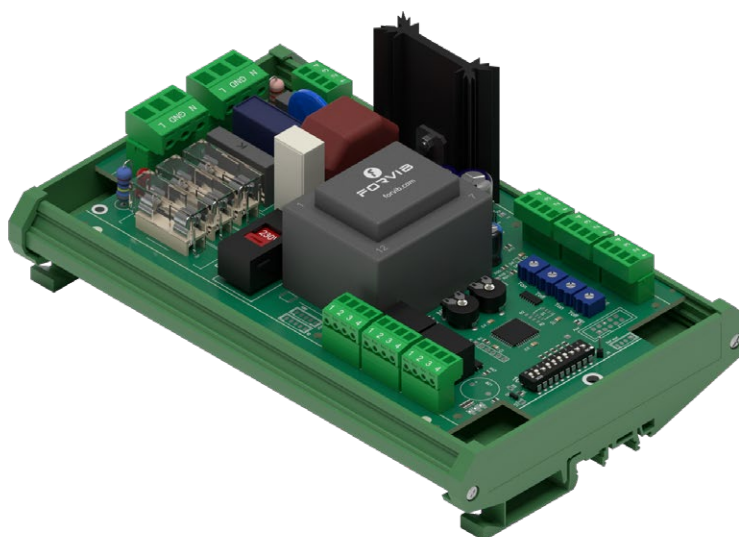
Our controllers are used for the control of vibratory conveyors which have an oscillating frequency tuned for 100 Hz, 6000 cycles/minute (120Hz, 7200 cycles/minute with 60Hz network) for full wave option or in alternative 50 Hz, 3000 cycles/minute (60Hz, 3600 cycles/minute with 60Hz network) for

half wave option. The integrated circuit with soft start ramp that can be set fast mode or slow mode (0,1...1 sec.), grants a smooth start up of the conveyor both when the equipment is switched on using the power switch or through a 24Vdc digital signal or with an electrical contact not bound to any potential. Supply voltage fluctuations are eliminated thanks to a dedicated compensation circuit which ensures the conveyors' carrying capacity is constantly maintained. The version with additional vibration amplitude sensor is able to monitor and adjust the vibration amplitude, therefore it is possible to obtain constant feed rates regardless of the load or changes in the mechanical system.

Our CT series controllers provide the most useful functions for vibration technology and cost effective option for controlling vibratory conveyors with integrated fill level / overfill and accumulation / hopper operations integrated with Ton – Toff timer. All controllers have a status relay for linking with other devices.

ADVANTAGES

- RELIABLE AND COST EFFECTIVE PHASE ANGLE CONTROLLERS WITH ADVANCED FUNCTIONALITY
- IP54 AND IP00 VERSIONS FOR DIRECT MOUNTING ON MACHINERIES
- AVAILABLE WITH FILL LEVEL / OVERFILL CONTROL
- SUPPLY VOLTAGE COMPENSATION WITH CONSTANT VIBRATION AMPLITUDE
- ADJUSTABLE SOFT START RAMP TIME



IP 00

Open circuit version for cabinet installation with DIN rail support.

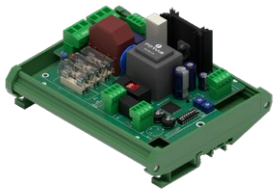
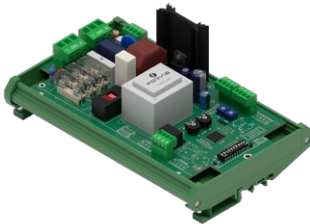
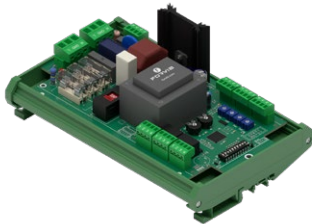


IP 54

Aluminium box for direct assembly on the vibrating equipment.

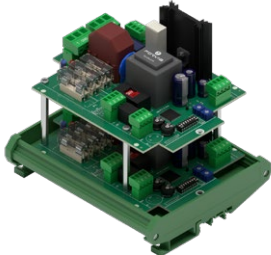
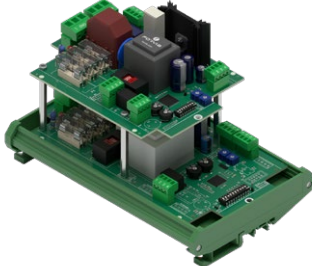
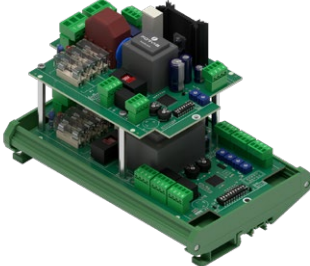
Controller Triac IP 00 1 channel

Control unit with phase angle device, output current 4A or 6A max. Suitable for mounting in a switch cabinet IP00 on DIN 35 type guide. Supplied complete with potentiometer and adjustment knob in a plastic bag. Available versions with filling level control sensor and timed accumulation/hopper.

ORDER NO.	CTA3D11A	CTB3D11A	CTB3D12A
			
APPLICATIONS	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder, Hopper
INPUT SUPPLY VOLTAGE SWITCHABLE	115 / 230 V	115 / 230 V	115 / 230 V
MAINS FREQUENCY	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz
OUTPUT SUPPLY VOLTAGE	5...105 V / 10...210 V	5...105 V / 10...210 V	5...105 V / 10...210 V
OUTPUT CURRENT	max. 4 A	max. 6 A	max. 6 A
VIBRATION FREQUENCIES	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)
SETTING VALUE	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA
SETTING Umin / Umax	Internal potentiometer	Internal potentiometer	Internal potentiometer
EXTERNAL ENABLE	24 V DC, Contact	24 V DC, Contact	24 V DC, Contact
DEVICE STATUS SIGNAL	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A
SOFT START	Fixed 0,1..1 S	Fixed 0,1..1 S	Fixed 0,1..1 S
MAINS VOLTAGE COMPENSATION	✓	✓	✓
FILLING LEVEL CONTROL	✓	✓	✓
FILLING SENSOR CONTROL	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s
ACCUMULATION LINE / HOPPER	X	X	✓
ACCUMULATION SENSOR / HOPPER	X	X	NPN / PNP, 24 V DC Timer 0-10 s
SOLENOID VALVE OUTPUT	X	X	✓
HOUSING	DIN 35 Card holder	DIN 35 Card holder	DIN 35 Card holder
PROTECTION CLASS	IP 00	IP 00	IP 00
CONFORMITY	CE, UKCA	CE, UKCA	CE, UKCA

Controller Triac IP 00 2 channels

Control unit with phase angle device, 2 channels, output current 8A, 10A, 12A. Suitable for mounting in a switch cabinet IP00 on DIN 35 type guide. Supplied complete with potentiometer and adjustment knob in a plastic bag. Available versions with filling level control sensor and timed accumulation/hopper.

ORDER NO.	CTC3D22A	CTD3D22A	CTD3D23A
			
APPLICATIONS	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder, Hopper
INPUT SUPPLY VOLTAGE SWITCHABLE	115 / 230 V	115 / 230 V	115 / 230 V
MAINS FREQUENCY	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz
OUTPUT SUPPLY VOLTAGE	5...105 V / 10...210 V	5...105 V / 10...210 V	5...105 V / 10...210 V
OUTPUT CURRENT	max. 4 + 4 A	max. 4 + 6 A	max. 4 + 6 A
VIBRATION FREQUENCIES	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)
SETTING VALUE	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA
SETTING Umin / Umax	Internal potentiometer	Internal potentiometer	Internal potentiometer
EXTERNAL ENABLE	24 V DC, Contact	24 V DC, Contact	24 V DC, Contact
DEVICE STATUS SIGNAL	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A
SOFT START	Fixed 0,1...1 S	Fixed 0,1...1 S	Fixed 0,1...1 S
MAINS VOLTAGE COMPENSATION	✓	✓	✓
FILLING LEVEL CONTROL	✓	✓	✓
FILLING SENSOR CONTROL	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s
ACCUMULATION LINE / HOPPER	X	X	✓
ACCUMULATION SENSOR / HOPPER	X	X	NPN / PNP, 24 V DC Timer 0-10 s
SOLENOID VALVE OUTPUT	X	X	✓
HOUSING	DIN 35 Card holder	DIN 35 Card holder	DIN 35 Card holder
PROTECTION CLASS	IP 00	IP 00	IP 00
CONFORMITY	CE, UKCA	CE, UKCA	CE, UKCA

Controller Triac IP 54 without connector

Control unit with phase angle device, output current 4A, 6A max. Suitable for mounting directly on vibrating equipment with inlet and outlet cable glands. Available versions with filling level control sensor and timed accumulation/hopper.

ORDER NO.	CTA3B11A	CTB3B11A	CTB3B12A
			
APPLICATIONS	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder, Hopper
INPUT SUPPLY VOLTAGE SWITCHABLE	115 / 230 V	115 / 230 V	115 / 230 V
MAINS FREQUENCY	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz
OUTPUT SUPPLY VOLTAGE	5...105 V / 10...210 V	5...105 V / 10...210 V	5...105 V / 10...210 V
OUTPUT CURRENT	max. 4 A	max. 6 A	max. 6 A
VIBRATION FREQUENCIES	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)
SETTING VALUE	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA
SETTING Umin / Umax	Internal potentiometer	Internal potentiometer	Internal potentiometer
EXTERNAL ENABLE	24 V DC, Contact	24 V DC, Contact	24 V DC, Contact
DEVICE STATUS SIGNAL	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A
SOFT START	Fixed 0,1...1 S	Fixed 0,1...1 S	Fixed 0,1...1 S
MAINS VOLTAGE COMPENSATION	✓	✓	✓
FILLING LEVEL CONTROL	✓	✓	✓
FILLING SENSOR CONTROL	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s
ACCUMULATION LINE / HOPPER	X	X	✓
ACCUMULATION SENSOR / HOPPER	X	X	NPN / PNP, 24 V DC Timer 0-10 s
SOLENOID VALVE OUTPUT	X	X	✓
HOUSING	Ral7035 Aluminium box	Ral7035 Aluminium box	Ral7035 Aluminium box
PROTECTION CLASS	IP 54	IP 54	IP 54
CONFORMITY	CE, UKCA	CE, UKCA	CE, UKCA

Controller Triac IP 54 with Schuko Plug

Control unit with phase angle device, output current 4A, 6A max. Suitable for mounting directly on vibrating equipment with Schuko plug inlet and connector outlet. Available versions with filling level control sensor and timed accumulation/hopper.

ORDER NO.	CTA3B11B	CTB3B11B	CTB3B12B
			
APPLICATIONS	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder, Hopper
INPUT SUPPLY VOLTAGE SWITCHABLE	115 / 230 V	115 / 230 V	115 / 230 V
MAINS FREQUENCY	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz
OUTPUT SUPPLY VOLTAGE	5...105 V / 10...210 V	5...105 V / 10...210 V	5...105 V / 10...210 V
OUTPUT CURRENT	max. 4 A	max. 6 A	max. 6 A
VIBRATION FREQUENCIES	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)
SETTING VALUE	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA
SETTING Umin / Umax	Internal potentiometer	Internal potentiometer	Internal potentiometer
EXTERNAL ENABLE	24 V DC, Contact	24 V DC, Contact	24 V DC, Contact
DEVICE STATUS SIGNAL	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A
SOFT START	Fixed 0,1..1 S	Fixed 0,1..1 S	Fixed 0,1..1 S
MAINS VOLTAGE COMPENSATION	✓	✓	✓
FILLING LEVEL CONTROL	✓	✓	✓
FILLING SENSOR CONTROL	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s
ACCUMULATION LINE / HOPPER	X	X	✓
ACCUMULATION SENSOR / HOPPER	X	X	NPN / PNP, 24 V DC Timer 0-10 s
SOLENOID VALVE OUTPUT	X	X	✓
HOUSING	Ral7035 Aluminium box	Ral7035 Aluminium box	Ral7035 Aluminium box
PROTECTION CLASS	IP 54	IP 54	IP 54
CONFORMITY	CE, UKCA	CE, UKCA	CE, UKCA

Controller Triac IP 54 with UK Plug

Control unit with phase angle device, output current 4A, 6A max. Suitable for mounting directly on vibrating equipment with UK plug inlet and connector outlet. Available versions with filling level control sensor and timed accumulation/hopper.

ORDER NO.	CTA3B11D	CTB3B11D	CTB3B12D
			
DIMENSIONS (mm)	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder, Hopper
INPUT SUPPLY VOLTAGE SWITCHABLE	115 / 230 V	115 / 230 V	115 / 230 V
MAINS FREQUENCY	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz
OUTPUT SUPPLY VOLTAGE	5...105 V / 10...210 V	5...105 V / 10...210 V	5...105 V / 10...210 V
OUTPUT CURRENT	max. 4 A	max. 6 A	max. 6 A
VIBRATION FREQUENCIES	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)
SETTING VALUE	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA
SETTING Umin / Umax	Internal potentiometer	Internal potentiometer	Internal potentiometer
EXTERNAL ENABLE	24 V DC, Contact	24 V DC, Contact	24 V DC, Contact
DEVICE STATUS SIGNAL	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A
SOFT START	Fixed 0,1..1 S	Fixed 0,1..1 S	Fixed 0,1..1 S
MAINS VOLTAGE COMPENSATION	✓	✓	✓
FILLING LEVEL CONTROL	✓	✓	✓
FILLING SENSOR CONTROL	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s
ACCUMULATION LINE / HOPPER	X	X	✓
ACCUMULATION SENSOR / HOPPER	X	X	NPN / PNP, 24 V DC Timer 0-10 s
SOLENOID VALVE OUTPUT	X	X	✓
HOUSING	Ral7035 Aluminium box	Ral7035 Aluminium box	Ral7035 Aluminium box
PROTECTION CLASS	IP 54	IP 54	IP 54
CONFORMITY	CE, UKCA	CE, UKCA	CE, UKCA

Controller Triac IP 54 with connectors and cable glands

Control unit with phase angle device, output current 4A, 6A max. Suitable for mounting directly on vibrating equipment with connector inlet and outlet and cable glands. Available versions with filling level control sensor and timed accumulation/hopper.

ORDER NO.	CTA3B11C	CTB3B11C	CTB3B12C
			
APPLICATIONS	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder	Bowl feeder, Linear feeder, Hopper
INPUT SUPPLY VOLTAGE SWITCHABLE	115 / 230 V	115 / 230 V	115 / 230 V
MAINS FREQUENCY	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz	50 / 60 Hz +/- 3Hz
OUTPUT SUPPLY VOLTAGE	5...105 V / 10...210 V	5...105 V / 10...210 V	5...105 V / 10...210 V
OUTPUT CURRENT	max. 4 A	max. 6 A	max. 6 A
VIBRATION FREQUENCIES	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)
SETTING VALUE	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA	Potentiometer, 0...10 V, 0...20 mA
SETTING Umin / Umax	Internal potentiometer	Internal potentiometer	Internal potentiometer
EXTERNAL ENABLE	24 V DC, Contact	24 V DC, Contact	24 V DC, Contact
DEVICE STATUS SIGNAL	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A	24 V DC, Contact 250V 1A
SOFT START	Fixed 0,1..1 S	Fixed 0,1..1 S	Fixed 0,1..1 S
MAINS VOLTAGE COMPENSATION	✓	✓	✓
FILLING LEVEL CONTROL	✓	✓	✓
FILLING SENSOR CONTROL	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s	NPN / PNP, 24 V DC Timer 0-10 s
ACCUMULATION LINE / HOPPER	X	X	✓
ACCUMULATION SENSOR / HOPPER	X	X	NPN / PNP, 24 V DC Timer 0-10 s
SOLENOID VALVE OUTPUT	X	X	✓
HOUSING	Ral7035 Aluminium box	Ral7035 Aluminium box	Ral7035 Aluminium box
PROTECTION CLASS	IP 54	IP 54	IP 54
CONFORMITY	CE, UKCA	CE, UKCA	CE, UKCA

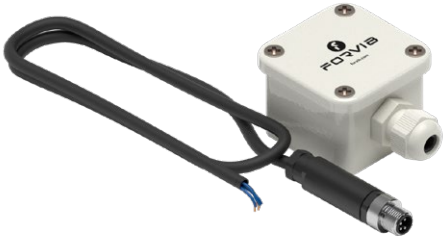
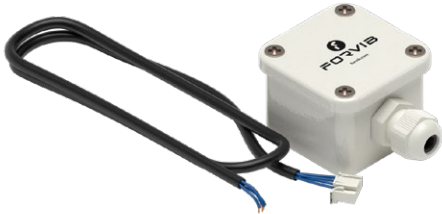
Acceleration sensor IP 54

Acceleration sensor to monitor and adjust automatically the conveyor speed during vibration changes allowing the control of the vibration amplitude to be set at constant values. It can be used on all CT series controllers, from 6A upwards, upon request.

ORDER NO.	SA1	SA2
		
CONNECTION	M12 4 poles	M12 4 poles
CABLE LENGTH	10 mt	10 mt
HOUSING	Ral7035 Aluminium box	Ral7035 Aluminium box
EQUIPPED WITH	M12 4 poles female M8 4 poles male extension with 10 mt. cable	M12 4 poles female JST 5 poles headed extension with 10 mt. cable
PROTECTION CLASS	IP 54	IP 54
CONFORMITY	CE, UKCA	CE, UKCA

Acceleration sensor IP 54

Acceleration sensor to monitor and adjust automatically the conveyor speed during vibration changes allowing the control of the vibration amplitude to be set at constant values. It can be used on all CT series controllers, from 6A upwards, upon request.

ORDER NO.	SA3 	SA4 
CONNECTION	Terminal block	Terminal block
CABLE LENGTH	10 mt	10 mt
HOUSING	Ral7035 Aluminium box	Ral7035 Aluminium box
EQUIPPED WITH	Cable gland M8 4 poles male extension with 10 mt. cable	Cable gland JST 5 poles headed extension with 10 mt. cable
PROTECTION CLASS	IP 54	IP 54
CONFORMITY	CE, UKCA	CE, UKCA



Supplementary products

Self assembly circular connectors

ORDER NO.	AM2P07MX4	AM2P07MN4	AM8P07MX4	AM2R16FX4
				
TYPE	M12 Connector to IEC 61076-2-101 PA housing and metal locking screw	M12 Connector to IEC 61076-2-101 PA housing and metal locking screw	M8 Connector to IEC 61076-2-101 PA housing and metal locking screw	M12 Receptacle to IEC 61076-2-101 CuZn/Ni housing, front mounting with wires
VERSION	Axial/ 4 poles /male	Angled/ 4 poles /male	Axial/ 4 poles /male	Axial/ 4 poles / female
CABLE	Cable entry version PG7	Cable entry version PG7	Cable entry version PG7	Wires PVC 4x0,34mm²x500mm
PROTECTION CLASS	IP 67	IP 67	IP 67	IP 67

Circular connectors with cable

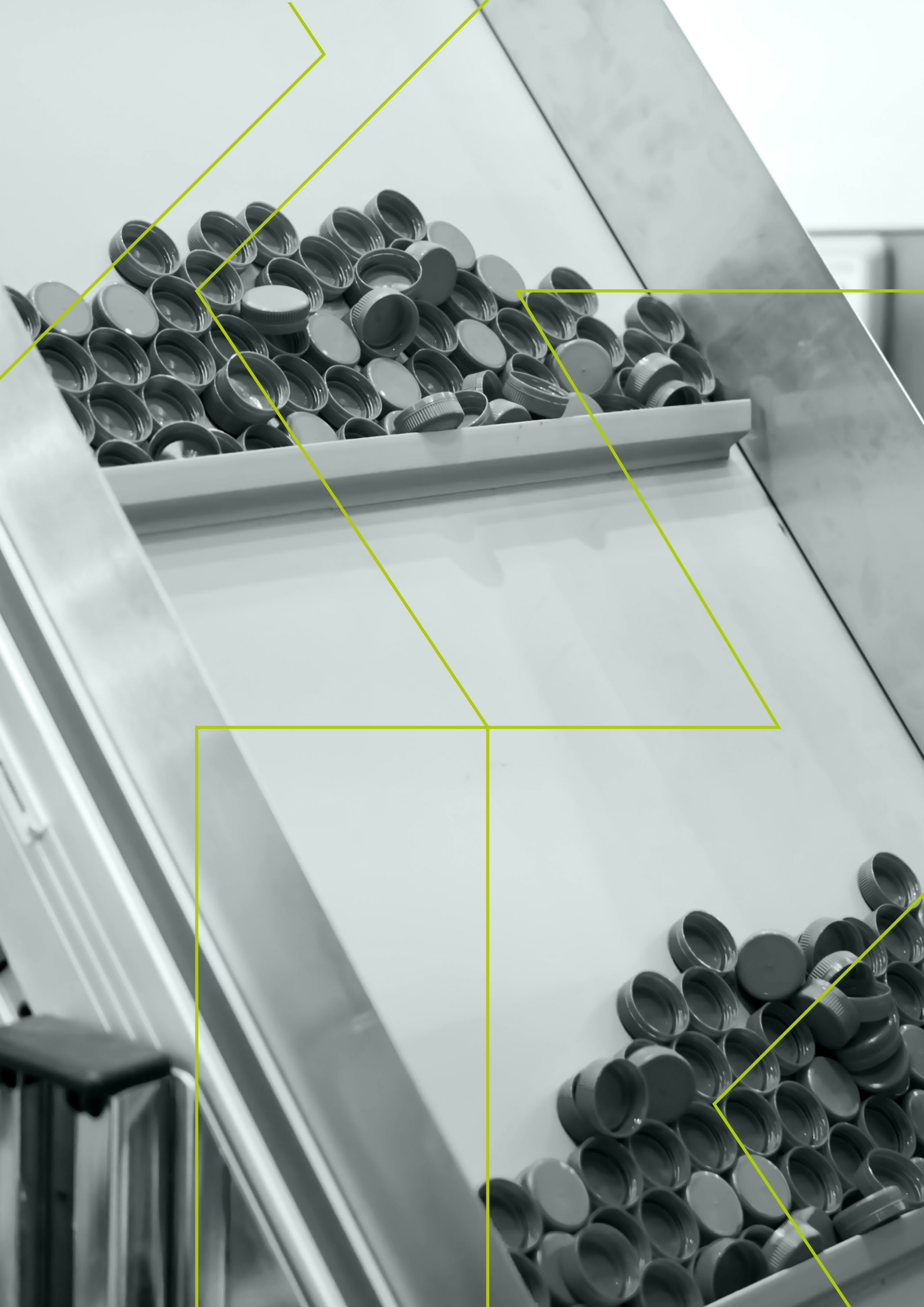
ORDER NO.	AM2L50FX4	AM2L1XFX4	AM2L50FN4	AM2L1XFN4
				
TYPE	M12 Connector to IEC 61076-2-101 TPU housing and metal locking screw	M12 Connector to IEC 61076-2-101 TPU housing and metal locking screw	M8 Connector to IEC 61076-2-101 TPU housing and metal locking screw	M12 Connector to IEC 61076-2-101 TPU housing and metal locking screw
VERSION	Axial/ 4 poles /female	Axial/ 4 poles/ female	Angled/ 4 poles/ female	Angled/ 4 poles/ female
CABLE	PVC CEI 2022 II Grey RAL7035 4x0,34mm²x5000mm	PVC CEI 2022 II Grey RAL7035 4x0,34mm²x10000mm	PVC CEI 2022 II Grey RAL7035 4x0,34mm²x5000mm	PVC CEI 2022 II Grey RAL7035 4x0,34mm²x10000mm
PROTECTION CLASS	IP 67	IP 67	IP 67	IP 67

Solenoids valve connectors (self assembly and with cable)

ORDER NO.	AV8P07TL24	AV9P07TL24	AV8L50TL24	AV9L50TL24
				
TYPE	Valve connector to EN 175301-803 form C (8mm contact spacing) 2 poles + earth	Valve connector to EN 175301-803 industrial form (9,4mm contact spacing) 2 poles + earth	Valve connector to EN 175301-803 form C (8mm contact spacing) 2 poles + earth	Valve connector to EN 175301-803 industrial form (9,4mm contact spacing) 2 poles + earth
CIRCUIT	TVR + LED yellow 24V DC	TVR + LED yellow 24V DC	TVR + LED yellow 24V DC	TVR + LED yellow 24V DC
MATERIAL	PA - transparent housing	PA - transparent housing	Overmoulded in TPU	Overmoulded in TPU
CABLE	Cable entry version PG7	Cable entry version PG7	PVC CEI 2022 II Grey RAL 7035 3G0,5mm ² x5000mm	PVC CEI 2022 II Grey RAL 7035 3G0,5mm ² x5000mm
PROTECTION CLASS	IP 65	IP 65	IP 65	IP 65

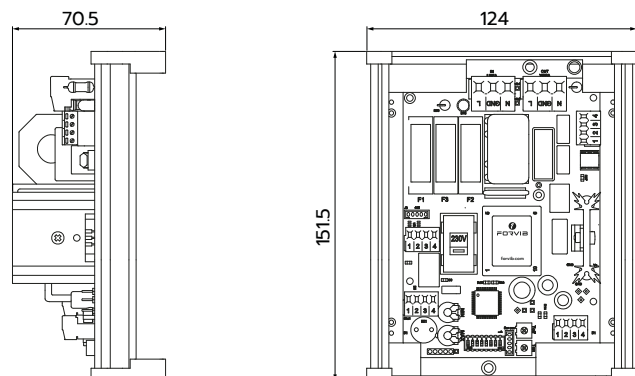
Power connectors

ORDER NO.	AKM03	AKF03	AKV03	AKA03
				
TYPE	Power plug, contact holder with male pins, screw terminals 10A 230/400V	Power plug, contact holder with female pins, screw terminals 10A 230/400V	Power plug, bulkhead mounting housing with 1 lever	Power plug, bulkhead mounting housing with 1 lever
VERSION	Male contact holder	Female contact holder	Axial housing	Angled housing
CABLE	3 poles + PE, cross section 0,75...2,5 mm	3 poles + PE, cross section 0,75...2,5 mm	Without cable entry	Without cable entry
PROTECTION CLASS	IP 44	IP 44	IP 44	IP 44

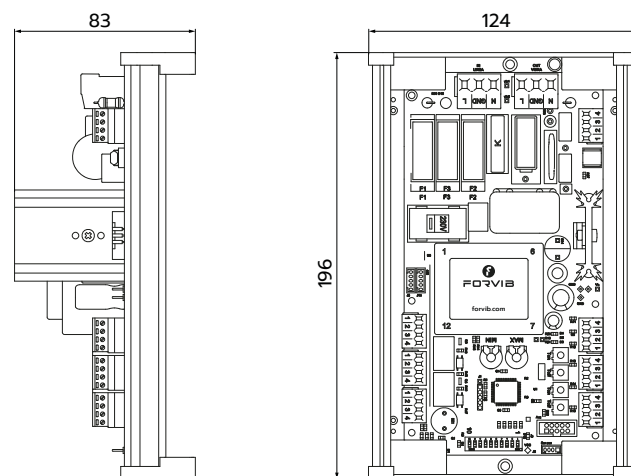


Technical Drawings

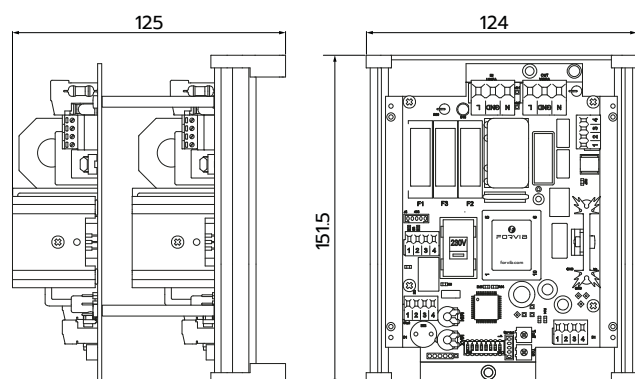
CTA3D11A



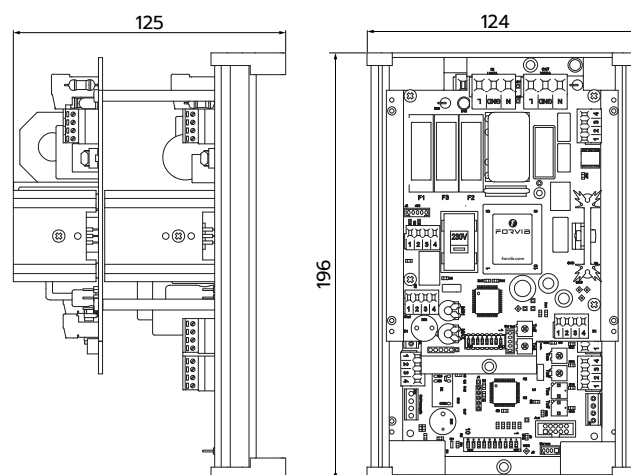
CTB3D11A – CTB3D12A



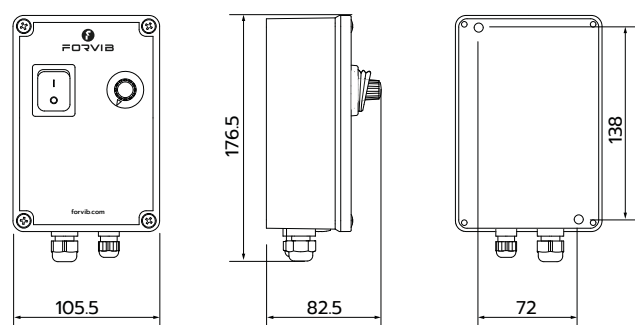
CTC3D22A



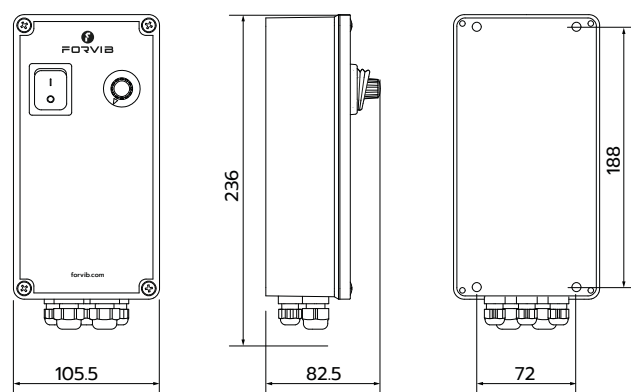
CTD3D22A – CTD3D23A



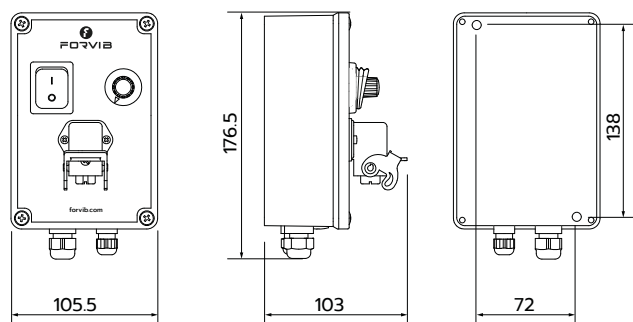
CTA3B11A



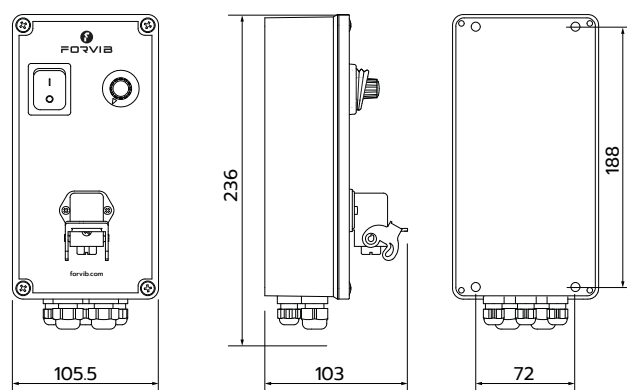
CTB3B11A – CTB3B12A



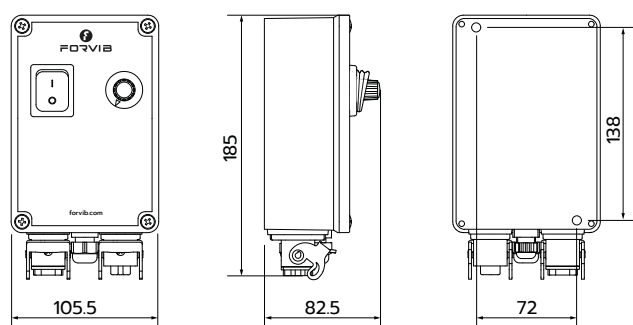
CTA3B11B – CTA3B11D



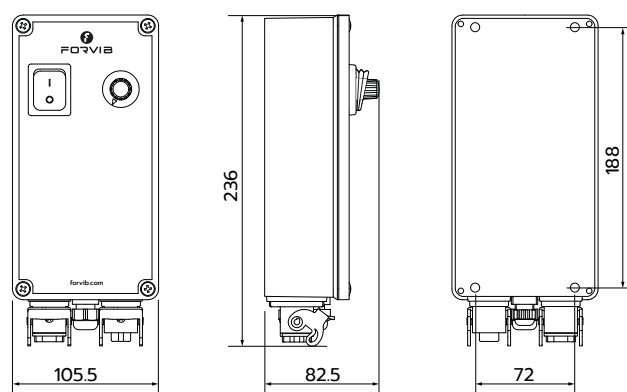
CTB3B11B – CTB3B12B – CTB3B11D – CTB3B12D



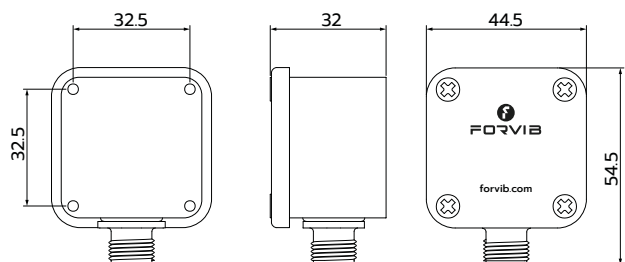
CTA3B11C



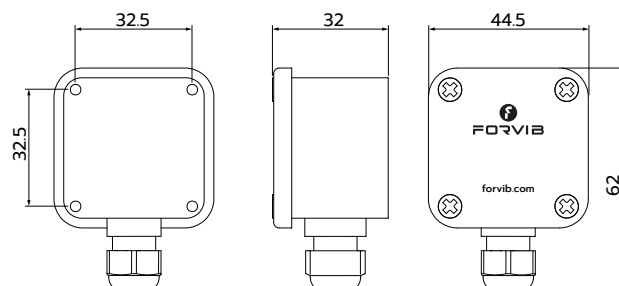
CTB3B11C – CTB3B12C

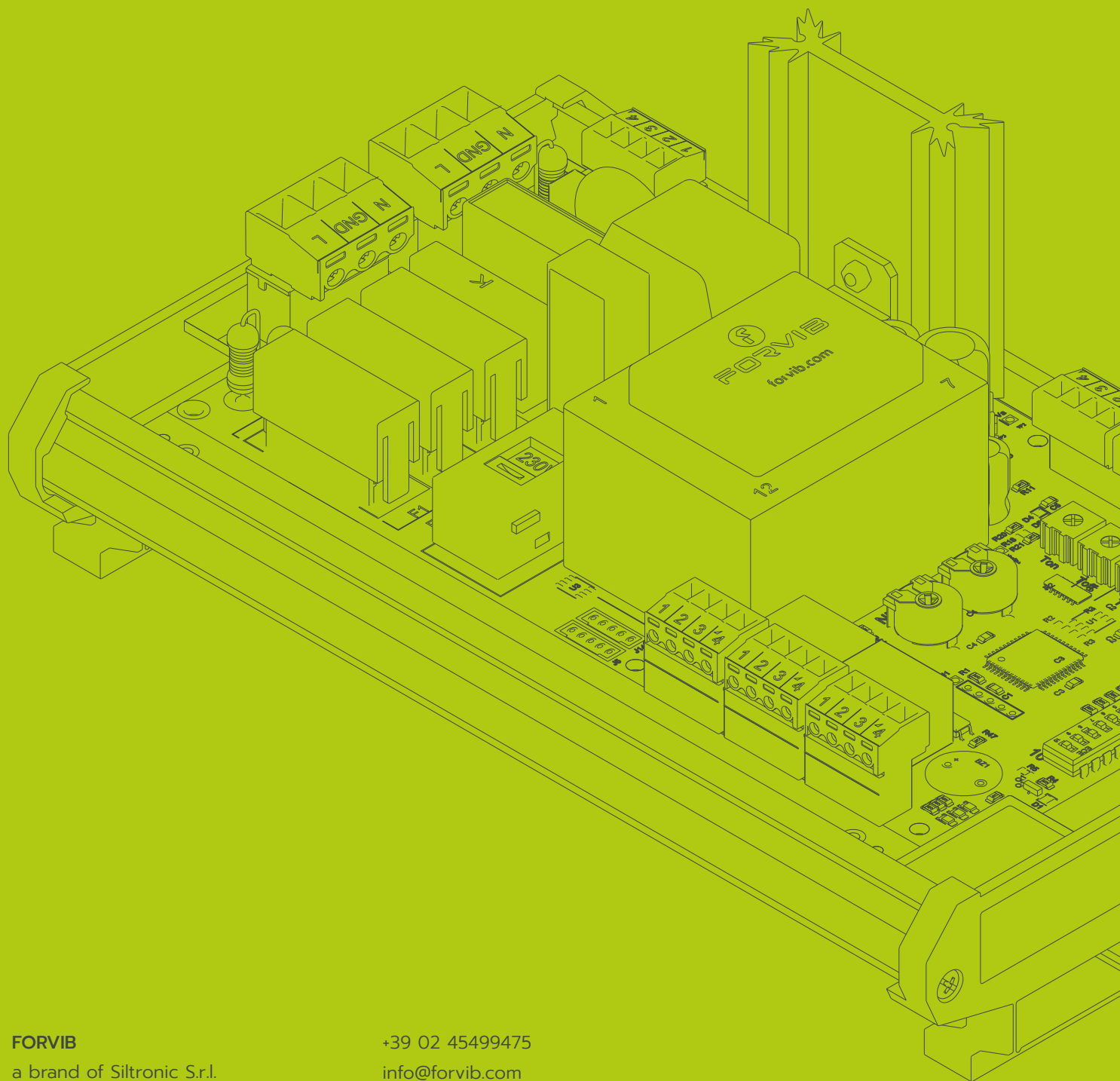


SA1 – SA2



SA3 – SA4





FORVIB

a brand of Siltronic S.r.l.
via Don B. Grazioli 57, Milan ITALY

+39 02 45499475

info@forvib.com
www.forvib.com