

## EU DECLARATION OF CONFORMITY

Product: IRON CORE LINEAR SERVO MOTOR COMPONENTS  
PIX150B SERIES / PIX250B SERIES / PIX350B SERIES

Name and Address of Manufacturer: PBA SYSTEMS PTE LTD  
505 YISHUN INDUSTRIAL PARK A, PBA BUILDING, SINGAPORE 768733,  
SINGAPORE

Name of Representative: PBA SYSTEMS

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration: PIX Iron Core Linear Motor series. It comprises of a 3-phase motor coil unit (PIX150B/PIX250B/PIX350B) with accompanied magnet tracks (PIXM-TLxxx) and operates as an electro-mechanical device for the production of lateral force and linear motion.

The object of the declaration described above is in conformity with the relevant EU harmonized legislation:

- 2014/35/EU  
Low Voltage Directive (LVD)

Conformity is declared with reference standards below:

- UL 1004-1:2012; UL 1004-6:2012
- CSA C22.2 No. 100-14
- DIN VDE 0580:2011  
Electromagnetic Devices and Components - General Specifications

As IEC or EN standard is only provided for *Rotating Electrical Machines* and not *Linear Motors*, the German National Standard DIN VDE 0580:2011 certification, is determined as the most relevant set of test requirement for linear actuators. It can be used for assumption of conformity with the LVD compliance to the EU LVD directives with the following IEC standard compliance:

- IEC 60664-1:2020  
Insulation coordination for equipment within low-voltage systems - Part 1:  
Principles, Requirements and Tests

Place / Date of Issue: SINGAPORE / 28 September 2022

Name / Appointment: DR HO CHOON WAN / HEAD, PRECISION ROBOTICS

Signature:

 