

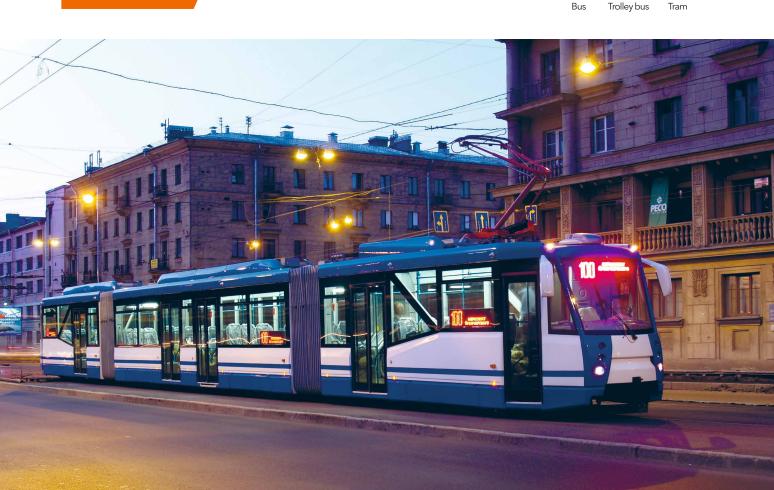








Trolley bus





POLAR

INSWINGING DOOR SYSTEMS

A durable investment

Tamware's inswinging Polar-type door systems are reliable solutions designed for busy public transportation. This inwards opening door is especially functional as a front door, as it moves away from the flow of passengers and enables free movement into the vehicle.

Passenger safety is always a key issue for Tamware when designing door systems. The strong closing force of the Polar doors ensures safety inside the vehicle. A tightly sealed, noiseless door increases the comfort of the journey.

A wide range of implementation possibilities make a Polar-type door highly suitable for various applications. In the open position, this inswinging door system requires minimal space outside the vehicle.

This door is available in both a single and double leaf version, and with the option of a pneumatic or electric door mechanism. Tamware's electric Polar-type door is a very energy-efficient solution. This reliable, quiet system fulfills the expectations of even the most demanding of customers.

Oy Tamware Ab designs and manufactures components for public transportation vehicles. Years of experience - since 1975 - and strong investments in product development have made Tamware a forerunner in the European market. Flexible production methods ensure suitable doors for all vehicle models. Sales, engineering, R&D and production are situated in Tampere, Finland. Tamware's expertise is verified with ISO 9001:2015 quality and ISO 14001:2015 environmental certificates.













POLAR E-2L-S



POLAR E-1L-L

Application:

Tram & Bus

Recommended max. speed

80 km/h

Actuator:

Electric



Tram & Bus

Recommended max. speed

80 km/h

Actuator:

Electric





Type of actuator	Location of actuator	Power requirement	Operating temperature options	Opening / closing time	Safety options
Electric	Above the aperture	12/24 Vdc ~5 A (24 Vdc)	-25 °C +80 °C -30 °C +70 °C	3-5 sec.	Safety edge, power control, photo cell, position indicator.

All products are designed according to EN Regulations (EN14752, EN50155, EN45545).

