

Technical data sheet

VERO-S NSE-E mini 90-25(-V1) IOL / VERO-S NSE-E mini 90-25(-V1) DIC12

Hand in hand for tomorrow

Functional description:

Electromechanically actuated quick-change pallet module, communication via IO-Link interface or digital interface (DI0s).

Functionality is identical to the well-known VERO-S NSE3 mini 90-25 in pneumatic design. In addition, it is possible to move to an adjustable intermediate position in which the clamping slides already engage the clamping pins but no pull-down force is yet applied. This prevents overdetermination when joining components in handling tasks, for example.

Installation space "above table" identical to the familiar VERO-S NSE3 mini 90-25 in pneumatic design.

An internal sensor system enables the detection of the positions "open", "closed with clamping pin", "closed without clamping pin", "intermediate position reached" and "presence (of a pallet) detected".

The module status is visualized via a LED.



Drive concept	Electromechanical	Power supply	IO-Link: 24 V DC Actor: 24 V DC
Query option	Clamp slide position "open", "closed with clamping pin", "closed without clamping pin" and "intermediate position reached" "Presence detected"	Communication interfaces	IO-Link v1.1.4; fieldbus-independent Digital inputs and outputs (DI0s)
Corrosion-resistant	All functional parts are made of hardened, stainless-steel	Self-locking system	Clamping pin remains in the module in case of a pressure drop
Short temper centering	Precise centering by quick and easy joining via entry radii	Repeat accuracy	< 0.005 mm (SPA mini 20)
PL (Performance Level) B10d – value MTTFd – value	Not provided	Elimination of errors	Disarming the system without an active disarm signal (by switching off the actuator voltage)
Temperature range	+5°C up to +60°C	IP rating	IP67

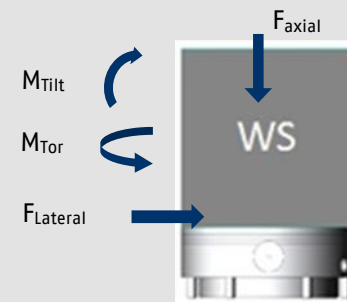
Technical data sheet

VERO-S NSE-E mini 90-25(-V1) IOL / VERO-S NSE-E mini 90-25(-V1) DIC12

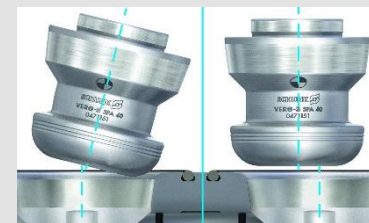
Hand in hand for tomorrow

Description	ID	Pull-down force	Operating voltage of controller	Operating voltage of actor	Average current	Max. peak current*	Zykluszeit**	Repeat accuracy	Weight	Communication	
		[kN]	[V DC]	[V DC]	[mA]	[mA]	[s]	[mm]	[kg]	IO-Link	DIOs
VERO-S NSE-E mini 90-25 IOL	1521521	3	24	24	600	3000	5	< 0.005	1,6	✓	-
VERO-S NSE-E mini 90-25-V1 IOL	1521522	3	24	24	600	3000	5	< 0.005	1.6	✓	-
VERO-S NSE-E mini 90-25 DIC12	1547865	3	24	24	600	3000	5	< 0.005	1.6	✓	✓
VERO-S NSE-E mini 90-25-V1 DIC12	1547866	3	24	24	600	3000	5	< 0.005	1.6	✓	✓

Axial load: F Axial	40 000 N
Transferable tilting torque: M Tilt	100 Nm
Transferable torque: M Tor	13 Nm
Transferable lateral force: F Lateral	300 N



Max. inlet path	0,1 mm
Max. loading angle	16°
Max. loading offset	2 mm



* maximum current peak over 100 ms when opening the module

** one cycle corresponds to one opening and one clamping operation