

Economically reduce set-up times: Positioning systems with intelligent PSxHub

halstrup-walcher has developed the intelligent PSxHub to implement the parallel operation of positioning systems for format adjustment as efficiently as possible: As an active bus component, the smart connection element offers simple integration for up to 16 positioning systems from the PSD family (PSD 4xx with IO-Link), ensures smooth communication with the controller and is economical thanks to the single-cable solution with unshielded, standard A-coded cables, among other things. The flexibly configurable synchronization control and monitoring integrated in the PSxHub ensures synchronized parallel operation of the controlled positioning systems. As a flexible technology platform, the PSxHub enables a wider performance spectrum (e.g. in terms of power requirements and synchronization) compared to classic IO-Link hubs without a control function. With its compact housing design from 14.2 x 16.4 x 6.4 cm (control cabinet version), it is an efficient and space-saving solution for central data and power transmission. The PSxHub is available for the Industrial Ethernet systems PROFINET and EtherCAT (others on request).

Your advantages with the PSxHub:

- Simplified and cost-effective cabling
- Reduced effort for installation and initial start-up
- No tilting during parallel operation of several positioning systems thanks to optimum synchronization control in the hub
- Relief for the control system and machine bus
- Simple self-diagnosis and identification of the drives in the machine environment
- Fixed configuration of the hub enables simple modularization of machine components



Order code PSxHub

	A	B	C	D	E	F	G
PSxHub							
	A Type ¹⁾	B Bus communication	C Supply voltage	D BUS-Connections	E Connection type	F IP protection class	G Certification
PSxHub	S04 S08 S10 S12 ²⁾ S16 ²⁾	EC: EtherCAT PN: PROFINET PL: POWERLINK ²⁾ EI: EtherNet/IP ²⁾ EM: Ethernet Multi-bus ²⁾	0: 24VDC (clamp)	0: RJ45	0: Sockets for plug-in spring terminals ³⁾ 2: Sockets A-coded ²⁾	20: IP20	0: CE/UKCA N: NRTL + CE/UKCA ²⁾

¹⁾ S stands for the control cabinet variant, the numerical value for the number of ports

²⁾ on request

³⁾ plug-in spring clamps available as accessories under order number 9601.0449

PSxHub S10



Product description

- Technology platform for central data and power transmission for up to ten PSD 4xx drives with IO-Link
- Easy installation in the control cabinet on a top-hat rail
- Quick status information thanks to LED status indicators
- Integrated synchronization monitoring and control with cluster functionality
- Available for various Industrial Ethernet buses
- Fast integration thanks to module libraries/function blocks
- High current-carrying capacity (max. 40A)
- Individual protection for the drives
- Simple cabling to the control

Control supply	24 VDC -5 to +15%, max. 4A
Motor side	24 VDC -5 to +15%, max. 40A for up to 80 seconds in total, 20A permanent, max. 4A pro port
Protection class	IP20
Ambient temperature	0°C to 40°C
Storage temperature	-10°C to 70°C
Dimensions in mm	142.3 x 164 x 65.45
Housing installation	DIN-top-hat rail according to EN50022 (35 x 7.5 mm)
Bus communication	PROFINET, EtherCAT, others on request
Process data	200 byte input and 200 byte output data
Connections	Communication: 2x RJ45 Connection terminals motor side Connection terminals control side Connection PSD drives: 10x plug-in spring terminals, 5-pin
Weight	400g
Certificates	NRTL/UL certification (optional)

