

► Technical details – PLC controllers and I/O systems

Decentralized I/O system PSSUniversal – head modules



PSSu H F PN

Type	Application area		Communication interfaces
	Failsafe functions	Automation functions	
PSSu H F PN	◆	◆	► 1 x PROFINET ► 1 x PROFIsafe
PSSu H F PN o	◆	◆	► 1 x PROFINET ► 1 x PROFIsafe ► Fiber-optic
PSSu H S PN		◆	2 x PROFINET

Automation system PSS 4000 – head modules with control and I/O function



PSSUniversal PLC



PSSUniversal I/O

Type	Application area		Communication interfaces
	Failsafe functions	Automation functions	
► PSSuniversal PLC			
PSSu H PLC1 FS SN SD	◆	◆	2 x SafetyNET p
PSSu H PLC1 FS DP SN SD	◆	◆	► SafetyNET p ► PROFIBUS-DP (slave, DPV0)
PSS67 PLC1 16FDI	◆	◆	2 x SafetyNET p
► PSSuniversal I/O			
PSSu H FS SN SD	◆	◆	2 x SafetyNET p
PSS67 IO1 16FDI	◆	◆	2 x SafetyNET p

Common features

- PSSUniversal module bus for connection of up to 64 I/O modules for safety-related and non-safety-related functions
- Integral power supply
- Integrated switch function for SafetyNET p linear topology
- SD card to store the device project and configuration data
- International safety standards (up to SIL CL 3 of EN/IEC 61508, up to PL e of EN ISO 13849), lifts standard EN 81/2 and EN 50129
- Dimensions (H x W x D) in mm: 125.6 x 130 x 83.7

PSSUniversal

Features	Certification	Order number		
		Regular version	T-type ¹⁾	R-type ²⁾
▶ PSSUniversal module bus for connection of up to 64 I/O modules for safety-related and non-safety-related functions ▶ Dimensions (H x W x D) in mm: 128.4 x 75.2 x 79.4	BG, CE, EAC, TÜV, cULus Listed	312 043	-	-
	CE, EAC, TÜV, cULus Listed	312 042	-	-
	CE, cULus Listed	312 041	-	-

Features	Certification	Order number		
		Regular version	T-type ¹⁾	R-type ²⁾
▶ Can be configured using the graphics program editor PASMULTI ▶ Programming in PAS IL (instruction list), PAS LD (ladder diagram) and PAS STL (structured text) in accordance with EN/IEC 61131-3 ▶ Programming via Ethernet TCP/IP ▶ Max. number of failsafe tasks: 9 ▶ Max. number of standard tasks: 9	BG, CE, EAC (Eurasian), KOSHA, TÜV, cULus Listed	312 070	314 070	315 070
	BG, CE, EAC (Eurasian), KOSHA, TÜV, cULus Listed	312 071	-	-
▶ 16 safe inputs with IP67 protection – suitable for use in the extended temperature range (0 °C to +70 °C)	CE, TÜV	316 020	-	-
▶ Communication with other SafetyNET p devices (RTFN) ▶ Standard module bus for standard I/O modules	BG, CE, EAC (Eurasian), KOSHA, TÜV, cULus Listed	312 085	314 085	315 085
▶ Communication with other SafetyNET p devices (RTFN) ▶ With IP67 protection – suitable for use in the extended temperature range (-30 °C to +70 °C)	CE, TÜV	316 010	-	-

¹⁾  The modules are also available as T-type for increased environmental requirements. The order numbers of the T-type modules are 314 ... instead of 312 ...

²⁾  The modules are also available as R-type for railway applications. The order numbers of the R-type modules are 315 ... instead of 312 ...

Keep up-to-date
on controllers
PSSUniversal and
I/O systems:

 Webcode:
web150509

Online information
at www.pilz.com