Comparison of PNOZelog units

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Common features were described in Chapters 2.2 … 2.9. Only the features specific to individual units are described here. Table 10-1 shows the differences between the units. The pages that follow provide information on intended use, wiring and unit-specific data for each individual unit.

Function	Feedback loop	Detection of shorts across contacts	Delayed outputs	Logic inputs	Applications
PNOZ e1p	In series to reset circuit, monitored	With terminal Y4 and A1	No	No	E-STOP Safety gates Light beam devices Scanners
PNOZ e1.1p, PNOZ e6.1p	At terminal Y6, monitored	With Y4 and A1/S11, depending on the logic AND/OR connection	No	One AND and one OR input	
PNOZ e1vp, PNOZ e6vp	At terminal Y6 and/or Y7, monitored	With Y4 and A1/S11, depending on the logic AND/OR connection	0, 1 or 2, depending on the AND wiring and feedback loops	One AND and one OR input	
PNOZ e2.1p	At terminal Y6 and/or Y7, monitored	Always with detection of shorts across contacts	No	One AND and one OR input	Two-hand buttons (N/C-N/O)
PNOZ e2.2p	At terminal Y6 and/or Y7, monitored	Always with detection of shorts across contacts	No	One AND and one OR input	Two-hand buttons (N/O)
PNOZ e3.1p	At terminal Y6, monitored	With Y4 and A1/S11/S23, depending on the logic AND/OR connection	No	One AND and one OR input	Position switch
PNOZ e3vp	At terminal Y6 and/or Y7, monitored	With Y4 and A1/S11/S23, depending on the logic AND/OR connection	0, 1 or 2, depending on the AND wiring and feedback loops	One AND and one OR input	Position switch
PNOZ e4.1p	At terminal Y6, monitored	Always with detection of shorts across contacts	No	One AND and one OR input	Mayser SM/BK safety mat Can be used to control a PSS
PNOZ e4vp	At terminal Y6 and/or Y7, monitored	Always with detection of shorts across contacts	Output 24	One AND and one OR input	Mayser SM/BK safety mat Can be used to control a PSS
PNOZ e5.11p	At terminal Y6 and/or Y7, monitored	Always without detection of shorts across contacts	No	One AND input	E-STOP Safety gates Light beam devices Scanners Position switches
PNOZ e5.13p	At terminal Y6 and/or Y7, monitored	Always without detection of shorts across contacts	No	One AND input	

Table 2.1-1: Differences between the PNOZelog units