



Comparison list Safety relay

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<u>Old unit</u>	<u>Current unit</u>
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Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ

PNOZ X4

A1	T11	T12	T12	T22	13	23	33	41	
PNOZ									
P75 / 90mm									
T33	T34	Grd	X1	X2	14	24	34	42	A2

S11	S52	S12	13	23	33
A1	S11	S12	Y36	Y37	41
PNOZ X4					
P97 / 45mm					
A2	Y1	Y2	S33	S34	42
	S21	S22	14	24	34

Technical Details:		PNOZ	PNOZ X4
Supply Voltage: Ub	AC in V	24, 42, 48, 100, 110, 115, 120, 127, 230, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 4A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	3 N/O	3 N/O
	auxiliary	1 N/C	1 N/C
Differences:		* 90mm housing width	* 45mm housing width
		* No cross-short detection possible	* Cross-short detection possible
Features:		* Simultaneity of channel 1/2 app. 75ms	* Designed for operation using semiconductor outputs
			* No start-up test possible

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
UB DC +	A1	A1
UB DC -	A2	A2
Channel 1	T11	S11
Channel 1	T12	S12
Channel 2	T11	S11
Channel 2	T22	S52
		S21 ●
		S22 ●
		Y36 ●
		Y37 ●
Feedback	X1	Y1
Feedback	X2	Y2
Reset	T33	S33
Reset	T34	S34

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ 1

PNOZ X4

A1	T11	T12	T12	T22	13	23	33	41	
PNOZ 1									
P75 / 90mm									
T33	T34	Grd	X1	X2	14	24	34	42	A2

S11	S52	S12	13	23	33
A1	S11	S12	Y36	Y37	41
PNOZ X4					
P97 / 45mm					
A2	Y1	Y2	S33	S34	42
	S21	S22	14	24	34

Technical Details:		PNOZ 1	PNOZ X4
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 115, 120, 230, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 4A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	3 N/O	3 N/O
	auxiliary	1 N/C	1 N/C
Differences:		* 90mm housing width * No cross-short detection possible	* 45mm housing width * Cross-short detection possible
Features:		* Simultaneity of Channel 1/2 app. 140ms	* Designed for operation using semiconductor outputs * No start-up test possible

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
UB DC +	A1	A1
UB DC -	A2	A2
Channel 1	T11	S11
Channel 1	T12	S12
Channel 2	T11	S11
Channel 2	T22	S52
		S21
		S22
		Y36
		Y37
Feedback	X1	Y1
Feedback	X2	Y2
Reset	T33	S33
Reset	T34	S34

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PNOZ 2

A1			T11	T12	13	23	33	41	
PNOZ 2									
P75 / 90mm									
T33	T34	Grd	X1	X2	14	24	34	42	A2

Current Unit

PNOZ X4/AC

S11	S52	S12	13	23	33
A1	S11	S12	Y36	Y37	41
PNOZ X4/AC					
P97 / 45mm					
A2	Y1	Y2	S33	S34	42
PE	S21	S22	14	24	34

Technical Details:		PNOZ 2	PNOZ X4/AC
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 120, 230, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V		
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 4A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	3 N/O	3 N/O
	auxiliary	1 N/C	1 N/C
Differences:		* 90mm housing width * Only AC units	* 45mm housing width * Cross-short detection possible
Features:		* Single-channel operation * E-Stop button leads supply voltage potential	* Designed for operation using semiconductor outputs

Name	old	current
UB AC	A1	
UB AC	A2	A2
Channel 1	T11	UB AC
Channel 1	T12	A1
		S11
		S12
		S11
		S52
		S21
		S22
		Y36
		Y37
Feedback	X1	Y1
Feedback	X2	Y2
Reset	T33	S33
Reset	T34	S34

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ 3

PNOZ X13

A1	T11	T12	T12	T22	13	23	33	43	53	X3	61	73	X4	
PNOZ 3														
P75 / 135mm														
T33	T34		X1	X2	14	24	34	44	54		62	74		A2

S31	S32	S11	S12	S13	S14
A1	13	23	33	43	53
PNOZ X13					
P97 / 45mm					
14	24	34	44	54	A2
51	52	S21	S22	S33	S34

Technical Details:		PNOZ 3	PNOZ X13
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 115, 120, 230, 240	
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 7A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	
Contacts:	safety	5 N/O	5 N/O
	auxiliary	1 N/C + 1 S (NC)	1 N/C
Differences:		* 135mm housing width	* 45mm housing width * Cross-short detection possible
Features:		* 1 fleeting contact * Simultaneity 150ms or unlimited	* No fleeting contact * Only 24VDC unit

Name	old	current
UB AC	A1	
UB AC	A2	
UB DC +	A1	A1
UB DC -	A2	A2
Channel 1	T11	S31
Channel 1	T12	S32
Channel 2	T11	S21
Channel 2	T22	S22
		S11
		S12
Simul- taneity	X3	
	X4	
Feedback	X1	X1
Feedback	X2	X2
Reset	T33	S33
Reset	T34	S34

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PNOZ 4

A1	T11	T12	T22	13	23	33	41	53	
PNOZ 4									
P75 / 90mm									
T33	T34	X1	X2	14	24	34	42	54	A2

Technical Details:		PNOZ 4	PNOZ 15
Supply Voltage: Ub	AC in V		
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 7A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	3 N/O	3 N/O
	auxiliary	1 N/C + 1 N/O	1 N/C + 1 N/O
Differences:			* Cross-short detection possible
Features:			* Semiconductor output PNP * Integrated circuit breaker

Current Unit

PNOZ 15

										Y30	Y31	Y35
A1	S12	S52	S12	S21	S22	13	23	33	41	53		
PNOZ 15												
P93 / 90mm												
S33	S34	Y1	Y2			14	24	34	42	54	A2	

Name	old	current
UB DC +	A1	A1
UB DC -	A2	A2
Channel 1	T11	S11
Channel 1	T12	S12
Channel 2	T11	S11
Channel 2	T22	S52
		S21
		S22
Feedback	X1	Y1
Feedback	X2	Y2
Reset	T33	S33
Reset	T34	S34

Old Unit

Current Unit

PNOZ 5

PNOZ X7

A1	13	23	X1	X2
PNOZ 5				
P75 / 45mm				
14	24	T33	T34	A2

A1	13	23
PNOZ X7		
S95 / 22,5mm		
Y1	Y2	PE
A2	14	24

Technical Details:		PNOZ 5	PNOZ X7 24VDC/AC	PNOZ X7 AC
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 115, 120, 127, 230, 240, 400	24	110, 115, 230, 240
	DC in V	24	24	
Switching Capability	AC 1	240V / 6A / 1500VA	240V / 6A / 1500VA	240V / 3A / 700VA
	DC 1	24V / 6A / 150W	24V / 6A / 150W	24V / 3A / 70W
	AC 15	230V / 4A	230V / 5A	230V / 3A
	DC 13	24V / 3A	24V / 6A	24V / 3A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C			24V 6A / 230V 2A	24V 6A / 230V 2A
Contacts:	safety	2 N/O	2 N/O	2 N/O
	auxiliary			
Differences:		* 45mm housing width	* 22,5mm housing width * Only 24V AC/DC unit	* 22,5mm housing width * Only AC units
Features:		* Single-channel operation	* Single-channel operation * Combined reset and feedback loop	* Single-channel operation * Combined reset and feedback loop

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
Feedback	X1	Y1
Feedback	X2	Y2
Reset	T33	Y1
Reset	T34	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PNOZ 8

A1	S52	S12	S22	S21	13	23	33	41	Y36
				24V					
PNOZ 8				Y32					
P75 / 90mm				Y35					
				0V					
S11	Y1	Y2	A3	14	24	34	42	Y37	A2

Current Unit

PNOZ X8P

A1	S33	S34	S52	S11	13	23	33
S11	S12	S12	S21	S22	41	51	51
PNOZ X8P							
P99 / 45mm							
Y30	Y31	Y32	Y35		42	52	52
A2	Y1	Y2	Y1	S37	14	24	34

Technical Details:		PNOZ 8	PNOZ X8P
Supply Voltage: Ub	AC in V	24, 42, 110, 115, 120, 230, 240	24, 110, 115, 120, 230
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 4A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	3 N/O	3 N/O
	auxiliary	1 N/C	1 N/C
Differences:		* Integrated circuit breaker	* Plug-in connection terminals
Features:		* Designed for operation using semiconductor outputs	* Designed for operation using semiconductor outputs

Name	old	current
UB	A1	A1
UB	A2	A2
Channel 1	S11	S11
Channel 1	S12	S12
Channel 2	S21	S21
Channel 2	S22	S22
Reset	S12	S33
Reset	Y1	S34
Reset-ü.	Y37	S37
Feedback	Y1	Y1
Feedback	Y2	Y2
	Y36	S11
	S52	S52
Semiconductor outputs:		
Fault	Y32	Y32
K1 / K2	Y35	Y35
UB +	24V	Y31
UB -	0V	Y30

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ 9

PNOZ X7

A1	13	23		
PNOZ 9				
P75 / 45mm				
14	24	T33	T34	A2

A1	13	23
PNOZ X7		
S95 / 22,5mm		
Y1	Y2	PE
A2	14	24

Technical Details:		PNOZ 9	PNOZ X7 24VDC/AC	PNOZ X7 AC
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 115, 120, 230, 240	24	110, 115, 230, 240
	DC in V	24	24	
Switching Capability	AC 1	240V / 6A / 1500VA	240V / 6A / 1500VA	240V / 3A / 700VA
	DC 1	24V / 6A / 150W	24V / 6A / 150W	24V / 3A / 70W
	AC 15	230V / 4A	230V / 5A	230V / 3A
	DC 13	24V / 3A	24V / 6A	24V / 3A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 6A / 230V 2A	24V 6A / 230V 2A
Contacts:	safety	2 N/O	2 N/O	2 N/O
	auxiliary			
Differences:		* 45mm housing width	* 22,5mm housing width * Only 24V AC/DC unit * Automatic reset possible	* 22,5mm housing width * Only AC units * Automatic reset possible
Features:		* No feedback control loop * Reset contact must be connected	* Combined reset and feedback loop	* Combined reset and feedback loop

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
Reset	T33	Y1
Reset	T34	Y2
Feedback		Y1
Feedback		Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PNOZ 10

S11	S11	S12	S12	S21	S22		S33	S34	Y1	Y2	Y3				
A1	13	23	33	43	53	63	71	81	91	01					
<table border="1"> <tr> <td colspan="2">PNOZ 10</td> </tr> <tr> <td colspan="2">P93 / 90mm</td> </tr> </table>												PNOZ 10		P93 / 90mm	
PNOZ 10															
P93 / 90mm															
	14	24	34	44	54	64	72	82	92	02	A2				

Current Unit

PNOZ X10.1

S11	S11	S12	S12	S21	S22	S33	S34	S37	Y1	Y2	Y3				
A1	13	23	33	43	53	63	71	81	91	01					
<table border="1"> <tr> <td colspan="2">PNOZ X10.1</td> </tr> <tr> <td colspan="2">P93 / 90mm</td> </tr> </table>												PNOZ X10.1		P93 / 90mm	
PNOZ X10.1															
P93 / 90mm															
	14	24	34	44	54	64	72	82	92	02	A2				

Technical Details:		PNOZ 10	PNOZ X10.1
Supply Voltage: Ub	AC in V	24, 42, 48, 100, 110, 115, 120, 127, 230, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 7A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	6 N/O	6 N/O
	auxiliary	4 N/C	4 N/C
Differences:			* Monitored manual reset possible
Features:		* Designed for operation using semiconductor outputs	* Designed for operation using semiconductor outputs

Name	old	current
UB	A1	A1
UB	A2	A2
Channel 1	S11	S11
Channel 1	S12	S12
Channel 2	S21	S21
Channel 2	S22	S22
Reset	S12	S12
Reset	S34	S34
Monitored reset		S37
Feedback	Y1	Y1
Feedback	Y2	Y2
Channel 2	Y3	Y3
Channel 2	S11	S11

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PNOZ 13





A1	S11	S12	S12	S22	13	23	33	43	
<div style="border: 1px solid black; padding: 2px; display: inline-block;">PNOZ 13</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">P75 / 90mm</div>									
S33	S34	PE	Y1	Y2	14	24	34	44	A2

Current Unit

PNOZ X4

S11	S52	S12	13	23	33
A1	S11	S12	Y36	Y37	41
<div style="border: 1px solid black; padding: 2px; display: inline-block;">PNOZ X4</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">P97 / 45mm</div>					
A2	Y1	Y2	S33	S34	42
	S21	S22	14	24	34

Technical Details:		PNOZ 13	PNOZ X4
Supply Voltage: Ub	AC in V	24, 48, 100, 110, 115, 120, 127, 230, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	250V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15		230V / 5A
	DC 13		24V / 4A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	2 N/O	3 N/O
	auxiliary	2 N/O	1 N/C
Differences:		* 90mm housing width	* 45mm housing width * Cross-short detection possible
Features:		* Pulse contact from K3 at connectors 43-44	* Designed for operation using semiconductor outputs

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
UB DC +	A1	A1
UB DC -	A2	A2
Channel 1	S11	S11
Channel 1	S12	S12
Channel 2	S11	S11
Channel 2	S22	S52
Brücke 1		S21 
Brücke 1		S22 
Brücke 2		Y36 
Brücke 2		Y37 
Feedback	Y1	Y1
Feedback	Y2	Y2
Reset	S33	S33
Reset	S34	S34

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PNOZ 14

A1	Y1	Y2	13	23	
PNOZ 14					
P93 / 45mm					
S33	S34		14	24	A2

Current Unit

PNOZ X7

A1	13	23
PNOZ X7		
S95 / 22,5mm		
Y1	Y2	PE
A2	14	24

Technical Details:		PNOZ 14	PNOZ X7 24VDC/AC
Supply Voltage: Ub	AC in V		24
	DC in V	24	24
Switching Capability	AC 1	250V / 5A / 1200VA	240V / 6A / 1500VA
	DC 1	24V / 4A / 100W	24V / 6A / 150W
	AC 15	230V / 4A	230V / 5A
	DC 13	24V / 2A	24V / 6A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C			24V 6A / 230V 2A
Contacts:	safety	2 N/O	2 N/O
	auxiliary		
Differences:		* 45mm housing width * Only monitored manual reset possible	* 22,5mm housing width * Only 24V AC/DC
Features:		* 4 LEDs	* Combined reset and feedback loop

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
Feedback	Y1	Y1
Feedback	Y2	Y2
Reset	S33	Y1
Reset	S34	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ 17

PNOZ X7

A1	S11	S12	13	23
PNOZ 17				
P75 / 45mm				
S33	S34	14	24	A2

A1	13	23
PNOZ X7		
S95 / 22,5mm		
Y1	Y2	PE
A2	14	24

Technical Details:		PNOZ 17	PNOZ X7 24VDC/AC
Supply Voltage: Ub	AC in V	24	24
	DC in V	24	24
Switching Capability	AC 1	240V / 10A / 2200VA	240V / 6A / 1500VA
	DC 1	24V / 10A / 240W	24V / 6A / 150W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 6A
Contact fuses			6A quick or 4A slow
Circuit breaker B/C			24V 6A / 230V 2A
Contacts:	safety	2 N/O	2 N/O
	auxiliary		
Differences:		* 45mm housing width	* 22,5mm housing width * Lower switching capability
Features:		* 10A switching capability	* Combined reset and feedback loop * Only 24V AC/DC

Name	old	current
UB	A1	
UB	A2	A2
Channel 1	S11	UB AC
Channel 1	S12	A1
Feedback	S33	Y1
Feedback	S34	Y2
Reset	S33	Y1
Reset	S34	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ V

PNOZ XV3

A1	S11	S12	S12	S22	13	23	33	41	57
<div style="background-color: #f4a460; padding: 2px; display: inline-block;">PNOZ V</div> P75 / 90mm									
S33	S34	Y1	Y2	14	24	34	42	58	A2

S31	S32	S11	S12	S13	S14
A1	13	23	33	47	57
<div style="background-color: #f4a460; padding: 2px; display: inline-block;">PNOZ XV3</div> P97 / 45mm					
14	24	34	48	58	A2
Y39	Y40	S21	S22	S33	S34

Technical Details:		PNOZ V	PNOZ XV3
Supply Voltage: Ub	AC in V		
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 7A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	3 N/O + 1 delay off N/O	3 N/O + 2 delay off N/O
	auxiliary	1 N/C	
Differences:		* 90mm housing width * 1 delay-off safety contact	* No N/C * 2 delay-off safety contacts
Features:		* Only 24VDC	* Only 24VDC * Dual-channel operation only with cross-shorts detection possible

Name	old	current
UB DC	A1	A1
UB DC	A2	A2
Channel 1	S11	S21
Channel 1	S12	S22
Channel 2	S11	S31
Channel 2	S22	S32
Reset	S33	S33/S13
Reset	S34	S34/S14
Feedback	Y1	S33/S13
Feedback	Y2	S34/S14
		S11 ●
		S12 ●
		Y39 ●
		Y40 ●

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ Z

PNOZ X7 24VDC/AC

A1	23
13	24
PNOZ / Z	
Z80 / 22,5	
Y1	Y2
14	A2

A1	13	23
PNOZ X7		
24VDC		
S95 / 22,5mm		
Y1	Y2	PE
A2	14	24

Technical Details:		PNOZ Z	PNOZ X7 24VDC/AC
Supply Voltage: Ub	AC in V	24	24
	DC in V	24	24
Switching Capability	AC 1	240V / 5A / 1200VA	240V / 6A / 1500VA
	DC 1	24V / 4A / 120W	24V / 6A / 150W
	AC 15	230V / 2A	230V / 5A
	DC 13	24V / 3A	24V / 6A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C			24V 6A / 230V 2A
Contacts:	safety	2 N/O	2 N/O
	auxiliary		
Differences:		* Less housing height	* More switching capability
Features:			* Terminal 24 not located in the same position

Name	old	current
UB	A1	A1
UB	A2	A2
Reset	Y1	Y1
Reset	Y2	Y2
Feedback	Y1	Y1
Feedback	Y2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit



PST 1

PNOZ X3

A1	13	23	S11	S12						
<table border="1"> <tr> <td>X1</td> <td>X2</td> </tr> <tr> <td colspan="2" style="text-align: center;">PST 1</td> </tr> <tr> <td colspan="2" style="text-align: center;">P75 / 45mm</td> </tr> </table>					X1	X2	PST 1		P75 / 45mm	
X1	X2									
PST 1										
P75 / 45mm										
14	24	S23	S24	A2						

S31	S32	S11	S12	S13	S14												
A1	B1	13	23	33	41												
<table border="1"> <tr> <td colspan="6" style="text-align: center;">PNOZ X3</td> </tr> <tr> <td colspan="6" style="text-align: center;">P97 / 45mm</td> </tr> </table>						PNOZ X3						P97 / 45mm					
PNOZ X3																	
P97 / 45mm																	
14	24	34	42	B2	A2												
Y31	Y32	S21	S22	S33	S34												

Technical Details:		PST 1	PNOZ X3
Supply Voltage: Ub	AC in V	24, 42, 48, 100, 110, 115, 120, 127, 230, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	240V / 6A / 1500VA	240V / 8A / 2000VA
	DC 1	24V / 6A / 150W	24V / 8A / 200W
	AC 15	230V / 4A	230V / 5A
	DC 13	24V / 3A	24V / 4A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C		24V 6A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	2 N/O	3 N/O
	auxiliary		1 N/C
Differences:		* Only safety gate monitor * Only dual-channel operation possible	* Emergency stop relay and safety gate monitor * Manual reset possible
Features:		* Simultaneity monitoring	* 1 semiconductor output * Each AC unit can be operated with 24VDC

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
UB DC+	A1	B1
UB DC	A2	B2
N/C 1	S11	S21
N/C 1	S12	S22
N/O 2	S23	S31
N/O 2	S24	S32
N/O 1	X1	S13
N/C 2	X2	S14
		S11 
		S12 

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PST 2

A1		13		23	S11	S12	S13	X1	X2
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PST 2 P75 / 90 </div>									
Y1	Y2	14		24	S21	S22	S23		A2

Current Unit

PNOZ X3

S31	S32	S11	S12	S13	S14
A1	B1	13	23	33	41
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PNOZ X3 P97 / 45mm </div>					
14	24	34	42	B2	A2
Y31	Y32	S21	S22	S33	S34

Technical Details:		PST 2	PNOZ X3
Supply Voltage: Ub	AC in V	24, 42, 110, 120, 230, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	240V / 6A / 1500VA	240V / 8A / 2000VA
	DC 1	24V / 6A / 150W	24V / 8A / 200W
	AC 15	230V / 4A	230V / 5A
	DC 13	24V / 3A	24V / 4A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C			24V 10A / 230V 2A
Contacts:	safety	2 N/O	3 N/O
	auxiliary		1 N/C
Differences:		* Only safety gate monitor * Only dual-channel operation possible	* Emergency Stop Relay and safety gate monitor * Manual reset possible
Features:		* Simultaneity monitoring * Connection for start-up test button	* 1 semiconductor output

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
UB DC+	A1	B1
UB DC	A2	B2
N/C 1	S11	S21
N/C 1	S13	S22
N/O 2	S21	S31
N/O 2	S23	S32
N/O 1	S12	S13
N/O 1	S11	
N/C 2	S21	
N/C 2	S22	S14
Feedback	X1	S13
Feedback	X2	S14
The external wiring to the safety gates switches must be changed.		

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PST 3

A1	S11	S12	S23	S24	13	23	33						
<table border="1"> <tr> <td colspan="2" style="background-color: #FFA500;">PST 3</td> </tr> <tr> <td colspan="2">P75 / 90</td> </tr> </table>										PST 3		P75 / 90	
PST 3													
P75 / 90													
X1	X2	X3	X4	PE	14	24	34		A2				

Current Unit

PNOZ X6

A1	S11	S12	13	23	33				
S23	S24	Y1	Y2	Y3	Y4				
<table border="1"> <tr> <td colspan="2" style="background-color: #FFA500;">PNOZ X6</td> </tr> <tr> <td colspan="2">P97 / 45mm</td> </tr> </table>						PNOZ X6		P97 / 45mm	
PNOZ X6									
P97 / 45mm									
A2		Y2	14	24	34				

Technical Details:		PST 3	PNOZ X6
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 115, 120, 230, 240	42, 100, 110...120, 200, 230...240
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7,5A	24V / 7A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	3 N/O	3 N/O
	auxiliary		
Differences:		* 90mm housing width	* 45mm housing width * Monitored manual reset possible
Features:			* Designed for operation using semiconductor outputs

Name	old	current
UB	A1	A1
UB	A2	A2
Channel 1	S11	S11
Channel 1	S12	S12
Channel 2	S23	S23
Channel 2	S24	S24
Reset	X1	Y1
Reset	X2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PST 4





S11	S12	S23	S24		S33		S34	Y1	Y2						
A1	13	23	33	43	53	63	71	81	91	1					
<table border="1"> <tr> <td colspan="2">PST 4</td> </tr> <tr> <td colspan="2">P93 / 90</td> </tr> </table>												PST 4		P93 / 90	
PST 4															
P93 / 90															
PE	14	24	34	44	54	64	72	82	92	2	A2				

Current Unit

PNOZ X10.1

S11	S11	S12	S12	S21	S22	S33	S34	S37	Y1	Y2	Y3				
A1	13	23	33	43	53	63	71	81	91	01					
<table border="1"> <tr> <td colspan="2">PNOZ X10.1</td> </tr> <tr> <td colspan="2">P93 / 90mm</td> </tr> </table>												PNOZ X10.1		P93 / 90mm	
PNOZ X10.1															
P93 / 90mm															
	14	24	34	44	54	64	72	82	92	02	A2				

Technical Details:		PST 4	PNOZ X10.1
Supply Voltage: Ub	AC in V	24, 42, 110, 230	24, 42, 48, 100, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 4A
Contact fuses		10A quick or 6A slow	10A quick or 6A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	6 N/O	6 N/O
	auxiliary	4 N/C	4 N/C
Differences:		* Only safety gate monitor * Start-up test with Manual reset possible	* Automatic start-up test not possible
Features:		* Simultaneity monitoring * Only dual-channel operation possible	* Designed for operation using semiconductor outputs

Name	old	current
UB	A1	A1
UB	A2	A2
S1 NC	S11	S21
S1 NC	S12	S22
S1 NO	Y1	S33
S1 NO		
S2 NC		
S2 NC	Y2	S34
S2 NO	S23	S11
S2 NO	S24	S12
Reset	S33	S33
Reset	S34	S34
Feedback	Y1	Y1
Feedback	Y2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PZE 5

A1	X1	X2		13	23	33	43	51	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PZE 5 P75 / 90mm </div>									
K1	U	U	K2	14	24	34	44	52	A2

Technical Details:		PZE 5	PZE X5
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 120, 230, 240	
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 7A
Contact fuses		10A quick or 6A slow	6A quick or 4A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	4 N/O	5 N/O
	auxiliary	1 N/C	
Differences:			* No auxiliary contact N/C * Cross-short detection possible
Features:			* Only 24VDC unit

Current Unit

PZE X5

K1	K1	K2	13	23	33
A1	U	U	Y1	43	53
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PZE X5 P97 / 45mm </div>					
A2	Y3	Y4	Y2	44	54
18	28	38	14	24	34

Name	old	current
UB	A1	A1
UB	A2	A2
Channel 1	U	U
Channel 1	K1	K1
Channel 2	U	U
Channel 2	K2	K2
		Y3
		Y4
Feedback	X1	Y1
Feedback	X2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PZE 7

PZE X5

A1	U	13	23	33	43	53	63	71	PE				
<table border="1"> <tr> <td>PZE 7</td> <td>K1</td> </tr> <tr> <td>P75 / 90mm</td> <td>K2</td> </tr> </table>										PZE 7	K1	P75 / 90mm	K2
PZE 7	K1												
P75 / 90mm	K2												
Y1	Y2	14	24	34	44	54	64	72	A2				

K1	K1	K2	13	23	33		
A1	U	U	Y1	43	53		
<table border="1"> <tr> <td>PZE X5</td> </tr> <tr> <td>P97 / 45mm</td> </tr> </table>						PZE X5	P97 / 45mm
PZE X5							
P97 / 45mm							
A2	Y3	Y4	Y2	44	54		
18	28	38	14	24	34		

Technical Details:		PZE 7	PZE X5
Supply Voltage: Ub	AC in V	24, 42, 48, 100, 110, 115, 120, 230, 240	
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 8A / 2000VA
	DC 1	24V / 8A / 200W	24V / 8A / 200W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 7A
Contact fuses		10A quick or 6A slow	6A quick or 4A slow
Circuit breaker B/C		24V 10A / 230V 2A	24V 10A / 230V 2A
Contacts:	safety	6 N/O	5 N/O
	auxiliary	1 N/C	
Differences:			* Only 5 N/O und 0 N/C
Features:			* Only 24VDC unit * Cross-short detection possible

Name	old	current
UB	A1	A1
UB	A2	A2
Channel 1	U	U
Channel 1	K1	K1
Channel 2	U	U
Channel 2	K2	K2
		Y3
		Y4
Feedback	Y1	Y1
Feedback	Y2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PZE 3V

A1	Y1	Y2	A3			13	23	31					
<table border="1"> <tr> <td colspan="2">PZE 3V</td> </tr> <tr> <td colspan="2">P75 / 90mm</td> </tr> </table>										PZE 3V		P75 / 90mm	
PZE 3V													
P75 / 90mm													
K1	U	U	K2			14	24	32	A2				

Current Unit

PZE X4V

17	27	37						
A1	Y1	Y2						
<table border="1"> <tr> <td colspan="3">PZE X4V</td> </tr> <tr> <td colspan="3">S95 / 22,5mm</td> </tr> </table>			PZE X4V			S95 / 22,5mm		
PZE X4V								
S95 / 22,5mm								
47	48	A2						
18	28	38						

Technical Details:		PZE 3V	PZE X4V
Supply Voltage: Ub	AC in V	24, 48, 110, 120, 230, 240	
	DC in V	24	24
Switching Capability	AC 1	240V / 6A / 1500VA	240V / 5A / 1200VA
	DC 1	24V / 6A / 150W	24V / 4A / 100W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 3A	24V / 4A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C		24V 6A / 230V 2A	
Contacts:	safety	2 N/O	4 N/O
	auxiliary	1 N/C	
Differences:		* Housing width 90mm	* Housing width 22,5mm * Only 24VDC unit * 4 safety contacts N/O
Features:			* Only single-channel operation possible * Delay-on de-energisation max. 3 sec. possible

Name	old	current
UB	A1	
UB	A2	A2
Channel 1	U	UB
Channel 1	K1	A1
Channel 2	U	
Channel 2	K2	
Feedback	Y1	Y1
Feedback	Y2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PZE 5V

A1	X1	X2	PE	13	23	33	43	51			Y1	1	2	3
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PZE 5V P75 / 135mm </div>														
K1	U	U	K2	14	24	34	44	52	A2		Y2	4	5	6

Current Unit

PZE X4V8

17	27	37	8A	7A	6A
A1	Y1	Y2	6A	5A	4A
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PZE X4V8 P97 / 45mm </div>					
A2	47	48	6B	5B	4B
18	28	38	8B	7B	6B

Technical Details:		PZE 5V	PZE X4V8
Supply Voltage: Ub	AC in V	24, 42, 110, 120, 230, 240	
	DC in V	24	24
Switching Capability	AC 1	240V / 8A / 2000VA	240V / 5A / 1200VA
	DC 1	24V / 8A / 200W	24V / 4A / 100W
	AC 15	230V / 5A	230V / 5A
	DC 13	24V / 7A	24V / 4A
Contact fuses		10A quick or 6A slow	6A quick or 4A slow
Circuit breaker B/C		24V 10A / 230V 2A	
Contacts:	safety	4 N/O	4 N/O
	auxiliary	1 N/C	
Differences:			* Only single-channel operation possible * No auxiliary contact
Features:		* Delay-on de-energisation programmable	* Only 24VDC unit * Delay-on de-energisation programmable

Name	old	current
UB	A1	
UB	A2	A2
Channel 1	U	UB
Channel 1	K1	A1
Channel 2	U	
Channel 2	K2	
Feedback	Y1	Y1
Feedback	Y2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

PNK

A1	1		3	4	5	6	7	8	9
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PNK P75 / 90 </div>									
10	11	12	13	14	15	16			A2

Technical Details:		PNK	PNKL
Supply Voltage: Ub	AC in V	24, 42, 48, 100, 110, 115, 127, 230, 240	24, 110, 120, 230
	DC in V	24	24
Switching Capability	AC 1	240V / 4A / 1000VA	240V / 4A / 1000VA
	DC 1	24V / 4A / 100W	24V / 4A / 100W
	AC 15		230V / 4A
	DC 13		24V / 3A
Contact fuses		4A quick	6A quick or 4A slow
Circuit breaker B/C			
Contacts:	safety	3 N/O	2 N/O + 1 N/C
	auxiliary	1 N/C	1 N/C
Differences:			* More LEDs for status display
Features:			* Each AC unit can also be operated with 24VDC

Current Unit

PNKL

A1	B1	1	2	3	4	5	6	7	8	9	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> PNKL P93 / 90 </div>											
10	11	12	13	14	15	16	17		PE	B2	A2

Name	old	current	Name	old	current
UB AC	(S1)	(S1)	A1 K2/K6	10	10
UB AC	A2	A2	A1 K7	13	13
UB DC	(S1)	(S1)	K4/K8 NC	12	12
UB DC	A2	B2	K4/K8 NC	9	9
S1	A1	A1 / B1	K4/K8 NO	5	5
Ground			K4/K8 NO	16	16
	1	1	General Details		
S4	4	4	Off	S1	S1
S5	15	15	OT	S2	S2
S5	10	10	TLS	S3	S3
S2 NO	6	6	Reset	S4	S4
S2 NO	11	11	Up	S5	S5
S2 NC	A1	3	Op. Mode		S6
S2 NC	4	17	hydraulic	K1	K5
S3 NC	7	7	Slide up	K2	K6
S3 NC	3	3	1.Channel	K3	K7
P2HZ 5	8	8	2.Channel	K4	K8
LED H1	14	14	LED	H1	H1

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

P2HZ /1...4

A1	11/13	13/23	T11	T12	T13	X1	X2															
<table border="1"> <tr> <td>P2HZ</td> <td>P2HZ/1</td> <td>V~</td> <td>1S / 10</td> </tr> <tr> <td>P75 / 90mm</td> <td>P2HZ/2</td> <td>V~</td> <td>2S</td> </tr> <tr> <td></td> <td>P2HZ/3</td> <td>24 V=</td> <td>1S / 10</td> </tr> <tr> <td></td> <td>P2HZ/4</td> <td>24 V=</td> <td>2S</td> </tr> </table>		P2HZ	P2HZ/1	V~	1S / 10	P75 / 90mm	P2HZ/2	V~	2S		P2HZ/3	24 V=	1S / 10		P2HZ/4	24 V=	2S					
P2HZ	P2HZ/1	V~	1S / 10																			
P75 / 90mm	P2HZ/2	V~	2S																			
	P2HZ/3	24 V=	1S / 10																			
	P2HZ/4	24 V=	2S																			
	12/14	14/24	T21	T22	T23		A2															

Current Unit

P2HZ X1

S11	S12	S13	S21	S22	S23		
A1	13	23	33	Y1	Y2		
<table border="1"> <tr> <td>P2HZ X1</td> </tr> <tr> <td>P93 / 45</td> </tr> </table>						P2HZ X1	P93 / 45
P2HZ X1							
P93 / 45							
14	24	34	41	42	A2		
Y30	Y31	Y32	Y35				

Technical Details:		P2HZ /1...4	P2HZ X1
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 115, 120, 127, 220, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	250V / 1,5A / 375A	240V / 5A / 1200VA
	DC 1	24V / 0,5A / 12W	24V / 4A / 100W
	AC 15		230V / 2,5A
	DC 13		24V / 1,5A
Contact fuses		2A quick	6A quick or 4A slow
Circuit breaker B/C			
Contacts:	safety	see above	3 N/O
	auxiliary		1 N/C
Differences:			* More contacts * Smaller housing
Features:		* 4 various units	* 2 semiconductor outputs (Fault and K1/K2)

Name	old	current
UB DC +	A1	A1
UB DC	A2	A2
UB AC	A1	A1
UB AC	A2	A2
S1	T11	S11
S1 N/C	T12	S12
S1 N/O	T13	S13
S2	T21	S21
S2 N/C	T22	S22
S2 N/O	T23	S23
Feedback	X1	Y1
Feedback	X2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

P2HZ/5

A1	11	23	31	43	T11	T12	T13	X1	X2
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> P2HZ/5 P75 / 90mm </div>									
	12	24	32	44	T21	T22	T23		A2

Current Unit

P2HZ X1

S11	S12	S13	S21	S22	S23
A1	13	23	33	Y1	Y2
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> P2HZ X1 P93 / 45 </div>					
14	24	34	41	42	A2
Y30	Y31	Y32	Y35		

Technical Details:		P2HZ5	P2HZ X1
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 115, 120, 230, 240	24, 42, 48, 110, 115, 120, 230, 240
	DC in V	24	24
Switching Capability	AC 1	240V / 5A / 1200VA	240V / 5A / 1200VA
	DC 1	24V / 4A / 100W	24V / 4A / 100W
	AC 15	230V / 2,5A	230V / 2,5A
	DC 13	24V / 4A	24V / 1,5A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C		24V 6A / 230V 2A	
Contacts:	safety	2 N/O	3 N/O
	auxiliary	2 N/C	1 N/C
Differences:			* Smaller housing
Features:		* LEDs for status of channel 1 and channel 2	* 2 semiconductor outputs (Fault and K1/K2)

Name	old	current
UB AC	A1	A1
UB AC	A2	A2
UB DC +	A1	A1
UB DC	A2	A2
S1	T11	S11
S1 N/C	T12	S12
S1 N/O	T13	S13
S2	T21	S21
S2 N/C	T22	S22
S2 N/O	T23	S23
Feedback	X1	Y1
Feedback	X2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

P1HZ1

A1	11	13	T13	T14
				T13
P1HZ 1				
P75 / 45mm				
				T13
12	14	T23	T24	A2

Current Unit

P1HZ X1

S23	13	14
A1	Y1	Y2
P1HZ X1		
S95 / 22,5mm		
A2	S13	S14
S24	23	24

Technical Details:		P1HZ1	P1HZ X1
Supply Voltage: Ub	AC in V	24, 42, 110, 115, 120, 230, 240	
	DC in V	24	24
Switching Capability	AC 1	240V / 6A / 1300VA	240V / 6A / 1500VA
	DC 1	24V / 1,5A / 12W	24V / 6A / 150W
	AC 15	230V / 2,5A	230V / 5A
	DC 13	24V / 1,5A	24V / 2,5A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C			
Contacts:	safety	1 N/O	2 N/O
	auxiliary	1 N/C	
Differences:		* Only 1 safety contact	* Only 24VDC unit * Housing width 22,5mm
Features:			

Name	old	current
UB	A1	A1
UB	A2	A2
S1	T13	S13
S1	T14	S14
S2	T23	S23
S2	T24	S24
Feedback	X1	Y1
Feedback	X2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

P1HZ2

A1	13	23	T13	T14
				X1
P1HZ 2				
P75 / 45mm				
				X2
14	24	T23	T24	A2

Current Unit

P1HZ X1

S23	13	14
A1	Y1	Y2
P1HZ X1		
S95 / 22,5mm		
A2	S13	S14
S24	23	24

Technical Details:		P1HZ2	P1HZ X1
Supply Voltage: Ub	AC in V	24, 42, 110, 115, 120, 230, 240	
	DC in V	24	24
Switching Capability	AC 1	240V / 6A / 1300VA	240V / 6A / 1500VA
	DC 1	24V / 1,5A / 12W	24V / 6A / 150W
	AC 15	230V / 2,5A	230V / 5A
	DC 13	24V / 1,5A	24V / 2,5A
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C			
Contacts:	safety	2 N/O	2 N/O
	auxiliary		
Differences:			* Only 24VDC unit * Housing width 22,5mm
Features:			

Name	old	current
UB	A1	A1
UB	A2	A2
S1	T13	S13
S1	T14	S14
S2	T23	S23
S2	T24	S24
Feedback	X1	Y1
Feedback	X2	Y2

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ X2

PNOZ e1p

13	23	24
A1	S33	S34
PNOZ X2		
S95 / 22,5mm		
S21	S22	A2
14	S11	S12

A1	Y4	S11	S34
PNOZ e1p			
P99 / 22,5mm			
A2	S12	S22	S34
14	24	S21	Y5

Technical Details:		PNOZ X2	PNOZ e1p
Supply Voltage: Ub	AC in V	24	
	DC in V	24	24
Switching Capability	AC 1	240V / 6A / 1500W	
	DC 1	24V / 6A / 150W	24V / 2A / 50W
	AC 15	230V / 5A	
	DC 13	24V / 6A	
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C		24V 6A / 230V 2A	24V 6A / 230V 2A
Contacts:	safety	2 N/O	2 N/O (semiconductor)
	auxiliary		1 N/O (semiconductor)
Differences:	* Relay outputs * Only monitored manual reset possible		* Semiconductor outputs * Plug-in connection terminals
Features:			* Only 24VDC * Auxiliary output can be used as a diagnostic output

Name	old	current
UB AC	A1	
UB AC	A2	
UB DC+	A1	A1
UB DC	A2	A2
Channel 1	S11	S11
Channel 1	S12	S12
Channel 2	S21	S21
Channel 2	S22	S22
Reset	S33	A1
Reset	S34	S34
Contact1	13	A1
Contact1	14	14
Contact2	23	A1
Contact2	24	24

Comparison list

Vergleichsliste Classic line - X-Range

Tableau comparatif

Old Unit

Current Unit

PNOZ 16 / PNOZ 16S





PNOZ e1p

S11	S12	S31	S32	S21	S22
A1	B1	Y1	Y2	13	23
PNOZ 16					
P93 / 45mm					
S33	S34	14	24	B2	A2

S11	S12	S31	S32	S21	S22
A1	B1	Y1	Y2	13	23
PNOZ 16 S					
P93 / 45mm					
S33	S34	14	24	B2	A2
Y30	Y31	Y32	Y35		

A1	Y4	S11	S34
PNOZ e1p			
P99 / 22,5mm			
A2	S12	S22	S34
14	24	S21	Y5

Technical Details:		PNOZ 16 / PNOZ 16S	PNOZ e1p
Supply Voltage: Ub	AC in V	24, 42, 48, 110, 115, 120, 230, 240	
	DC in V	24	24
Switching Capability	AC 1	240V / 5A / 1200W	
	DC 1	24V / 4A / 100W	24V / 2A / 50W
	AC 15	230V / 2A	
	DC 13	24V / 3A	
Contact fuses		6A quick or 4A slow	6A quick or 4A slow
Circuit breaker B/C		24V 6A / 230V 2A	24V 6A / 230V 2A
Contacts:	safety	2 N/O	2 N/O (semiconductor)
	auxiliary		1 N/O (semiconductor)
Differences:		* Relay outputs	* Semiconductor outputs * Plug-in connection terminals
Features:		* Designed specifically for use with safety mats * PNOZ 16 S with 2 semiconductor outputs	* Only 24VDC * Auxiliary output can be used as a diagnostic output

Name	old	current
UB AC	A1	
UB AC	A2	
UB DC+	B1	A1
UB DC	B2	A2
Channel 1	S31	S11
Channel 1	S32	S12
Channel 2	S21	S21
Channel 2	S22	S22
Reset	S33	A1
Reset	S34	S34
	S11	
	S12	
	Y1	
	Y2	
Output 1	13	A1
Output 1	14	14
Output 2	23	A1
Output 2	24	24