



Automatización Eléctrica
Especialistas en Automatización

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Relay modules

Tables, diagrams, dimensional drawings

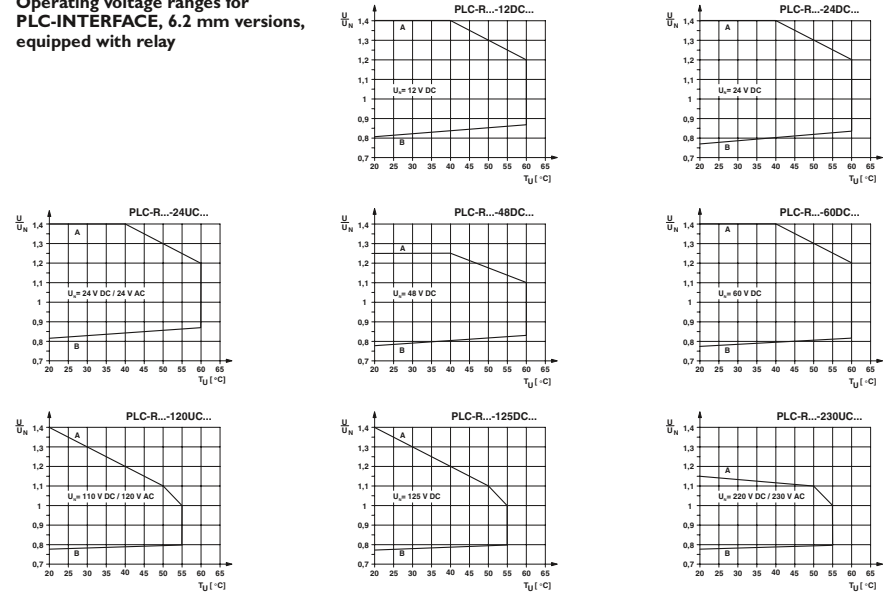
Relay options for PLC basic terminal blocks

Relay and solid-state relay options	Push-in connection	Spring-cage connection	Screw connection	1 PDT basic terminal block		2 PDT basic terminal block	
				PLC-BPT-120C/21	PLC-BPT-240C/21	PLC-BPT-120C/21	PLC-BPT-240C/21
REL-MR-4,5DC/21				X			
REL-MR-4,5DC/21AU				X			
REL-MR-12DC/21				X			
REL-MR-12DC/21AU				X			
REL-MR-24DC/21				X	X		
REL-MR-24DC/21AU				X	X		
REL-MR-60DC/21				X	X	X	
REL-MR-60DC/21AU				X	X	X	
REL-MR-24DC/11C						X	
REL-MR-18DC/21						X	
REL-MR-18DC/21AU						X	
REL-MR-12DC/21-21						X	
REL-MR-12DC/21-21AU						X	
REL-MR-24DC/21-21						X	
REL-MR-60DC/21-21						X	
REL-MR-60DC/21-21AU						X	
REL-MR-110DC/21-21						X	
REL-MR-110DC/21-21AU						X	
REL-MR-12DC/21HC						X	
REL-MR-24DC/21HC						X	
REL-MR-60DC/21HC						X	
REL-MR-110DC/21HC						X	
OPT-24DC/230AC/1						X	
OPT-60DC/230AC/1						X	
OPT-5DC/24DC/2				X			
OPT-24DC/24DC/2				X			
OPT-60DC/24DC/2				X			
OPT-5DC/48DC/100				X			
OPT-24DC/48DC/100				X			
OPT-60DC/48DC/100				X			
OPT-24DC/24DC/5							X
OPT-60DC/24DC/5							X
OPT-24DC/230AC/2							X
OPT-60DC/230AC/2							X

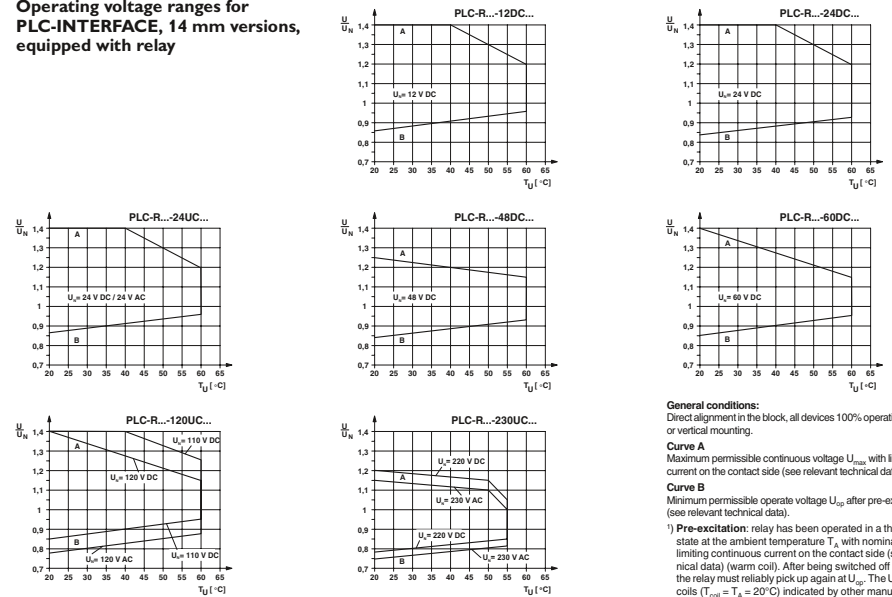
Relay modules

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Operating voltage ranges for PLC-INTERFACE, 6.2 mm versions, equipped with relay



Operating voltage ranges for PLC-INTERFACE, 14 mm versions, equipped with relay



General conditions:
 Direct alignment in the block, all devices 100% operating time, horizontal or vertical mounting.
Curve A
 Maximum permissible continuous voltage U_{max} with limiting continuous current on the contact side (see relevant technical data).
Curve B
 Minimum permissible operate voltage U_{min} after pre-excitation¹⁾ (see relevant technical data).
¹⁾ Pre-excitation: relay has been operated in a thermally steady state at the ambient temperature T_{amb} with nominal voltage U_n and limiting continuous current on the contact side (see relevant technical data) (warm coil). After being switched off for a short time, the relay must reliably pick up again at U_{min} . The U_{min} values for cold coils ($T_{amb} = T_n = 20^\circ\text{C}$) indicated by other manufacturers yield better values, but are not practical.



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