

Protection

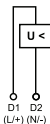
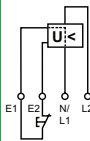
Circuit protection

Earth leakage protection

Electrical auxiliaries for

iC60, iID, iDPN Vigi, RCA and ARA

2

		Tripping						
Auxiliaries		iMN		iMNs		iMNx		
Type		Undervoltage release						
		Instantaneous		Delayed		Independent of the supply voltage		
		DB104477-35 		DB104478-35 		DB104480-35 		
Function		■ Trips the device with which it is combined when its input voltage decreases (between 70 % and 35 % U_n). Prevents device closing again until its input voltage is restored				■ Tripping of the associated device by opening of the control circuit (e.g. push-button, dry contact)		
		■ Not tripping on transient voltage dip (up to 0.2 s)				■ A drop in the supply voltage does not trip the associated device ■ A locking push-button control allows the circuit protected (e.g. machine control) to be placed in safety configuration		
Wiring diagrams		DB118804 		DB118805 				
Use		■ Emergency stoppage by normally closed push button ■ Ensures the safety of power supply circuits for several machines by preventing "uncontrolled" restarting				■ Emergency stoppage with fail-safe principle ■ Insensitive to control circuit voltage variation to increase service continuity Important: Before any servicing operation switch off the mains power supply (voltage presence at terminals E1/E2)		
Catalogue numbers		A9A26960	A9A26961	A9A26959	A9A26963	A9A27108	A9A26969	A9A26971
iC60, iID, iDPN Vigi, RCA and ARA		■	■	■	■	■	■	■
Technical specifications								
Rated voltage (U_e)	V AC	220...240	48	115	220...240	24	220...240	380...415
	V DC	–	48	–	–	24	–	–
Standardised operating and non-response to voltage times (U_a)*		–	–	–	–	–	–	–
Maximum operating time		–	–	–	–	–	–	–
Minimum non-response time		–	–	–	–	–	–	–
Operating frequency	Hz	50/60		400	50/60		50/60	
Red mechanical indicator		On front face			On front face		On front face	
Test function		–			–		–	
Width in 9 mm modules		2			2		2	
Operating current		–			–		–	
Number of contacts		–			–		–	
Operating temperature	°C	-35...+70			-35...+70		-35...+70	
Storage temperature	°C	-40...+85			-40...+85		-40...+85	

*(U_a)

Voltag es measured between the phase and the neutral conductor, at which the iMSU device must control the associated protective device.