

RW Thermal Overload Relays

Multifunction Reset / Test Button

The relay has a Reset button and on the same button four functions, as follows:

A - Automatic reset function only. The stop/test function is not allowed;

AUTO - Automatic reset function and stop/test function;

HAND - Manual reset function and stop/test function;

H - Manual reset function only. The stop/test function is not allowed;



Operation description:

In the **H** (manual - reset only) and **A** (automatic - reset only) positions, the stop/test functions are blocked, while in the **HAND** (manual) and **AUTO** (automatic) positions, test simulation and tripping by directly pressing the Reset button are possible. In the **H** and **HAND** positions, after the relay trips (relay tripped), it has to be manually reset by pressing the Reset button, while in the **A**

and **AUTO** positions, the relay is automatically reset after tripping. The **H**, **HAND**, **AUTO** and **A** functions are set by turning the red button without pressing it, positioning it in the indications of the Reset button. In the change from **HAND** to **AUTO**, the Reset button must be lightly pressed simultaneously with the turning of the red button.

Functions	H	HAND	AUTO	A
Relay reset	Manual ¹⁾	Manual ¹⁾	Automatic	Automatic
Auxiliary contact 95-96 (NC) opening test	Function is disabled	Test/stop is allowed	Test/stop is allowed	Function is disabled
Auxiliary contact 97-98 (NO) opening test	Function is disabled	Test/stop is allowed	Test/stop is allowed	Function is disabled

Note: 1) Allow cooling for a short time before resetting the relay.

Recovery Time

The RW overload relays require a certain time for the bimetallic strips to cool down after the trip. Only after this time can the relay be reset.

This time is a function of the tripping curve and the intensity of the tripping current. After the relay trips due to overload, the load cools down during the relay reset time.

Operation with Frequency Inverter

The RW17, RW27, RW67 and RW117 overload relays can operate with frequency inverters.

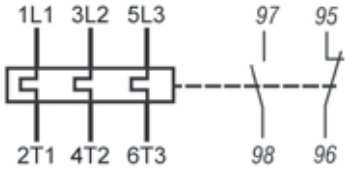
Depending on the inverter frequency of operation, the current must be set above the motor rated current, due to eddy currents and skin effects.



RW Thermal Overload Relays 0.28...140 A

- Bimetallic overload relay with trip class 10
- Phase failure sensitivity
- Temperature compensation
- Manual or automatic reset
- Direct mounting to mini-contactors and contactors
- Allow individual mounting by means of an accessory¹⁾
- Adjustable multifunction button with the functions: HAND, AUTO, H or A
- Auxiliary contacts 1NO + 1NC



Direct mounting Screw terminal	Current range (A)	Diagram	Maximum fuse (gL/gG) ²⁾	Blue version		Weight kg
				Code	Part Number	
CW07 CWC07...16	0.28...0.4		2	RW17-1D3-D004	12450892	0.155
	0.4...0.63		2	RW17-1D3-C063	12450895	
	0.56...0.8		2	RW17-1D3-D008	12450896	
	0.8...1.2		4	RW17-1D3-D012	12450897	
	1.2...1.8		6	RW17-1D3-D018	12450898	
	1.8...2.8		6	RW17-1D3-D028	12450899	
	2.8...4		10	RW17-1D3-U004	12450900	
	4...6.3		16	RW17-1D3-D063	12450901	
	5.6...8		20	RW17-1D3-U008	12450903	
	7...10		25	RW17-1D3-U010	12450905	
	8...12.5		25	RW17-1D3-D125	12450906	
	10...15		35	RW17-1D3-U015	12450907	
	11...17		40	RW17-1D3-U017	12450908	
			25	RW17-2D3-U010	12450909	
CWC025	7...10		25	RW17-2D3-D125	12450910	0.155
	8...12.5		35	RW17-2D3-U015	12450911	
	10...15		40	RW17-2D3-U017	12450912	
	11...17		50	RW17-2D3-U023	12450913	
	15...23		63	RW17-2D3-U032	12450914	
	22...32					
CWB9...38	0.28...0.4		2	RW27-2D3-D004	12140441	0.165
	0.43...0.63		2	RW27-2D3-C063	12140442	
	0.56...0.8		2	RW27-2D3-D008	12140443	
	0.8...1.2		4	RW27-2D3-D012	12140444	
	1.2...1.8		6	RW27-2D3-D018	12140445	
	1.8...2.8		6	RW27-2D3-D028	12140446	
	2.8...4		10	RW27-2D3-U004	12140447	
	4...6.3		16	RW27-2D3-D063	12140448	
	5.6...8		20	RW27-2D3-U008	12140449	
	7...10		25	RW27-2D3-U010	12140450	
	8...12.5		25	RW27-2D3-D125	12140451	
	10...15		35	RW27-2D3-U015	12140452	
	11...17		40	RW27-2D3-U017	12140453	
	15...23		50	RW27-2D3-U023	12140454	
	22...32		63	RW27-2D3-U032	12140455	
	32...40		90	RW27-2D3-U040	12140456	
			80	RW67-5D3-U040	13368960	
CWB40...80	32...50		80	RW67-5D3-U050	13368961	0.320
	40...57		100	RW67-5D3-U057	13368962	
	50...63		100	RW67-5D3-U063	13368963	
	57...70		125	RW67-5D3-U070	13368964	
	63...80		125	RW67-5D3-U080	13368965	
			200	RW117-3D3-U080	14204758	
CWB95...125	63...80		225	RW117-3D3-U097	14204759	0.480
	75...97		250	RW117-3D3-U112	14204761	
	90...112		315	RW117-3D3-U140	14204762	
	110...140					

Notes: 1) Except for RW17-1D and RW17-2D.

2) Maximum fuse for Type 2 coordination (gL/gG).