

## 77.01 MODULAR SOLID STATE RELAY

- 1 FRONT VIEW**  
**A** LED 1 green  
**B** LED 2 red (77.01.9.024.9x2x only)

- 2 WIRING DIAGRAM**  
**2a** type 77.01.x.xxx.805x  
**2b** type 77.01.9.024.9x2x

- 3 OUTPUT SPECIFICATION**  
**3a** Output RMS current v ambient temperature 77.01.0.024.805x @ 32 V DC  
**3b** Output RMS current v ambient temperature 77.01.8.230.805x @ 265 V AC  
 I - Modular SSR installed as a group (without gap)  
 II - Modular SSR installed as a group (9 mm gap between each SSR)  
 III - Modular SSR installed individually in free air (without a significant influence from nearby components)

- 4 OUTPUT SPECIFICATION**  
**4a** Output DC current v ambient temperature 77.01.9.024.9024 @ 32 V DC  
**4b** Output DC current v ambient temperature 77.01.9.024.9125 @ 32 V DC  
 I - Modular SSR installed as a group (without gap)  
 II - Modular SSR installed individually in free air, or with a gap > 9 mm, which implies no significant influence from nearby components

- 5 LED**  
**LED 1** green  
**LED 2** red (77.01.9.024.9x2x only)  
**U<sub>N</sub>** Power supply  
**ShC** Short circuit protection (To restore normal operation it is necessary to disconnect the power, resolve the short circuit and then restore power)

- OTHER DATA**  
 - AC output (with back to back SCR) (805x)  
 - Zero-crossing versions (8050)  
 - Random versions (8051)  
 - Minimum switching current: 100 mA

**5**

LED 1	U <sub>N</sub>
	—
	✓

**5**

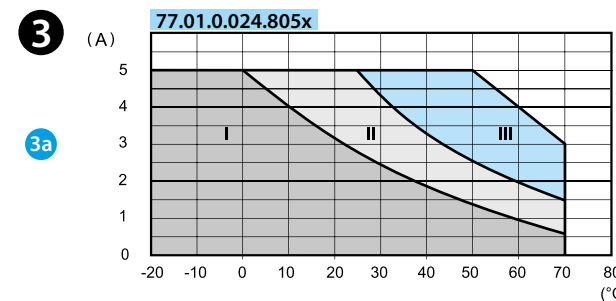
LED 2	ShC
	—
	✓



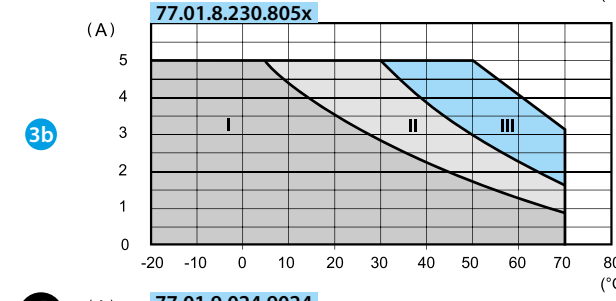
77.01.8.230.8050/8051 5 A 240 VAC  
 77.01.9.024.9024 12 A 24 VDC  
 77.019.024.9125 6 A 120 VDC

- For use in Pollution Degree 2 Environment
- Max surrounding Air Temperature 50 °C
- Models AC shall be protected by the supplementary fuse (JDYX/7-8) rated 250 V AC, 1.6 A, 1.5 kA
- Use 60/75°C copper (CU) conductors only and wire range 14-18 AWG, stranded or solid

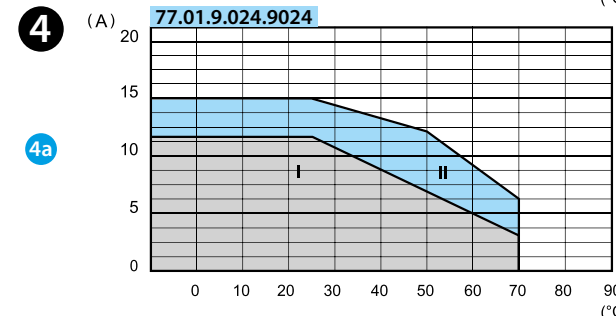
**3**



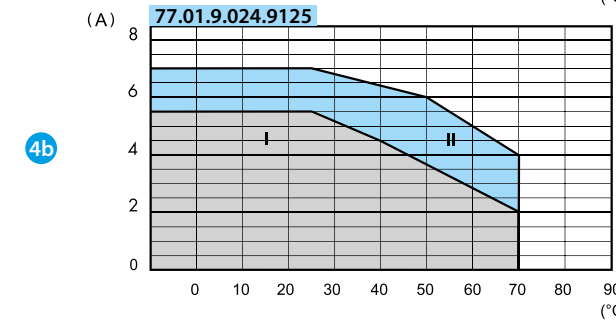
**3b**



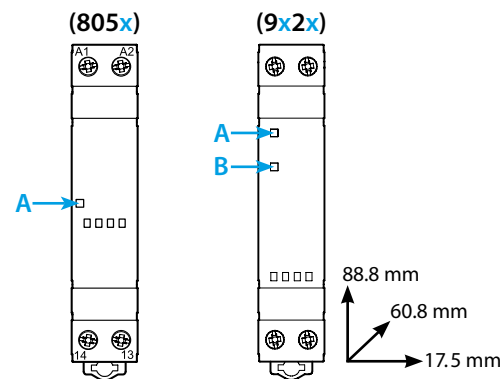
**4**



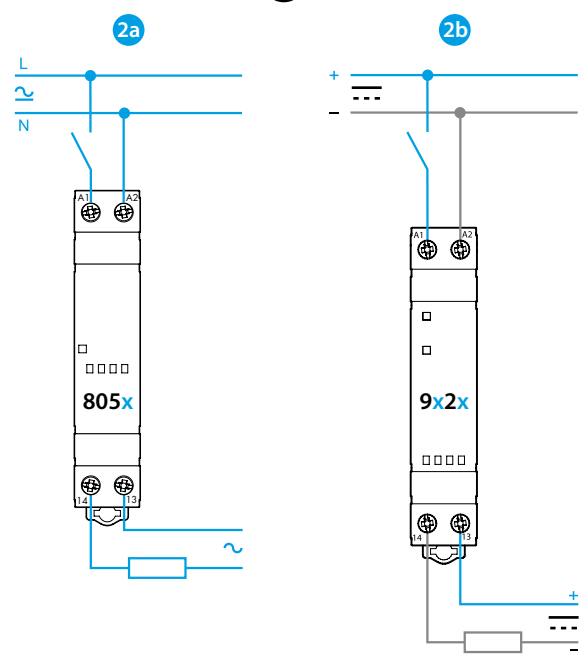
**4b**



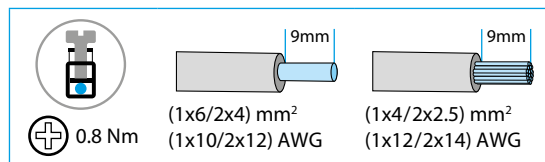
**1**



**2**



	77.01.x.xxx.805x	77.01.9.024.9x2x
	<b>0.024</b> U <sub>N</sub> 24 V AC (50/60 Hz) U <sub>min</sub> -U <sub>max</sub> (16-32)V AC P 0.6 VA (50 Hz) / 0.5 W <b>0.024</b> U <sub>N</sub> (12...24)V DC U <sub>min</sub> -U <sub>max</sub> (9.8-32)V DC P 0.6 VA (50 Hz) / 0.5 W <b>8.230</b> U <sub>N</sub> 230 V AC (50/60 Hz) U <sub>min</sub> -U <sub>max</sub> (90-265)V AC P 3.6 VA (50 Hz) / 0.3 W	<b>9.024</b> U <sub>N</sub> (6...24)V DC U <sub>min</sub> -U <sub>max</sub> (4-36)V DC P 0.5 W
	1 NO (SPST-NO) 5 A (48...265)V AC	1 NO (SPST-NO) 15 A (16...32)V DC (9024) 7 A (43...140)V DC (9125)
	AC7a (cos φ = 0.8) 5 A	DC13 5 A
	AC15 5 A	2.5A (9125)
	(M) (230 V AC) 0.1 kW (8051)	(M) (DC) 0.2 kW (9024)
	(230 V AC) 1000 W 800 W (8051)	
	(230 V AC) 1000 W 800 W (8051)	
	CFL / LED 800 W 400 W (8051)	
	(-20...+70)°C	
	IP20	



**77.01**