



Manual reset and thermal cut-out

SPNC manual reset high limit, fixed or adjustable set point, fail safe, 20A.

Type 8L

Dimensions

<p>8L0: M10 mounting</p> <ul style="list-style-type: none"> 1: Reset button cap 2: Reset button 3: Capillary sleeving 4: Ground terminal (option) 	<p>8L1: 2 × M4 screws mounting</p> <ul style="list-style-type: none"> 1: Reset button cap 2: Reset button 3: Capillary sleeving 4: Ground terminal (option) 5: 2xM4 mounting bracket 	<p>8L2: 2 xM4 screws mounting and mini adjustment dial</p> <ul style="list-style-type: none"> 1: Reset button cap 2: Reset button 3: Capillary sleeving 4: Ground terminal (option) 5: 2xM4 mounting bracket 6: Mini adjustment dial

Technical features

Applications: Protection against the overheating of the heaters due to an abnormal rise of the liquid temperature due to a flow failure. The mounting of the bulbs can be made inside standard dia. 8.5mm pockets, or in an additional thermowell added on request.

Through wall fittings on capillary are also available. The thermostat body can be installed in a protective cover of the heating elements outputs, or remotely in a separate control cabinet. They are resettable after tripping, but prior full audit of the circuit is essential to find the cause of overheating and correct it before restarting.

Housing dimensions: 24.7 × 33 × 26mm (without terminals and reset)

Bulb and capillary: Stainless steel, capillary length 250mm to 1500mm, 100mm long PVC sleeve on capillary. Capillary minimum bending radius 5mm.

Temperature sensing element: Liquid filled bulb and capillary.

Terminals: 6.35 × 0.8 quick connect terminals (M4 screws also available on request). Terminals can be vertical, horizontal or bended at 45°

Adjustment: Fixed setting, sealed or adjustable by mini dial

Manual reset: Fail safe, front access reset button

Fail safe contact action by low temperature: Temperatures under -10°C (14°F) will trigger the manual reset.

Mounting: Front bushing with M10 × 0.75 thread

Rating: 20(4)A 250V/16 (4)A 400VAC

Contacts: SPNC snap action contact

Max ambient temperature on body: 150°C (302°F)



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Main references with 750mm capillary * and vertical 6.35mm terminals **

References, M10 mounting	References, 2 x M4 bracket mounting	References, 2 x M4 bracket mounting and mini dial	Calibration temperature (°C/°F)	Bulb diameter (D, mm)	Bulb length (E, mm)	Max temperature on bulb (°C/°F)
8L0070105AG60000	8L1070105AG60000	8L2070105AG60000	70 +0/ -8°C (158 +0/ -14.4°F)	6	77	105°C/239°F
8L0080105AG60000	8L1080105AG60000	8L2080105AG60000	80 +0/ -8°C (176 +0/ -14.4°F)	6	77	105°C/239°F
8L0090115AG60000	8L1090115AG60000	8L2090115AG60000	90 +0/ -8°C (194 +0/ -14.4°F)	6	77	115°C/239°F
8L0100120AG60000	8L1100120AG60000	8L2100120AG60000	100 +0/ -8°C (212 +0/ -14.4°F)	6	77	120°C/248°F
8L0110135AG60000	8L1110135AG60000	8L2110135AG60000	110 +0/ -8°C (230 +0/ -14.4°F)	6	77	135°C/275°F
8L0120145AG60000	8L1120145AG60000	8L2120145AG60000	120 +0/ -8°C (248 +0/ -14.4°F)	6	77	145°C/293°F
8L0130155AG60000	8L1130155AG60000	8L2130155AG60000	130 +0/ -8°C (266 +0/ -14.4°F)	6	74	155°C/311°F
8L0150175AG60000	8L1150175AG60000	8L2150175AG60000	150 +0/ -8°C (302 +0/ -14.4°F)	6	74	175°C/347°F
8L0170195AG50000	8L1170195AG50000	8L2170195AG50000	170 +0/ -10°C (338 +0/ -18°F)	5	70	195°C/383°F
8L0190215AG50000	8L1190215AG50000	8L2190215AG50000	190 +0/ -10°C (374 +0/ -18°F)	5	70	215°C/419°F
8L0210235AG40000	8L1210235AG40000	8L2210235AG40000	210 +0/ -12°C (410 +0/ -22°F)	4	65	235°C/455°F
8L0230255AG40000	8L1230255AG40000	8L2230255AG40000	230 +0/ -12°C (446 +0/ -22°F)	4	65	255°C/490°F

* Capillary 250mm: Replace G by A in the reference; Capillary 1m: Replace G by J in the reference; Capillary 1.5m: Replace G by O in the reference.

** Horizontal 6.35 terminals, replace 0000 by 2000 in the reference; 45° bended 6.35 terminals, replace 0000 by 1000 in the reference. Screw terminals, ask for data sheet.

*** Ground terminal option: replace 0000 at the end of references by 0G00

Accessories (Must be ordered separately, shipped assembled on capillary)

Nickel plated capillary fitting for use on liquids up to 130°C (Capillary gasket in NBR) *	66RCM2B00010N1C0	
Nickel plated capillary fitting for use on liquids up to 230°C (Capillary gasket in FKM) *	66RCM2F00010N1C0	

* Can be made also in 304 stainless steel, ask for data sheet

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice