
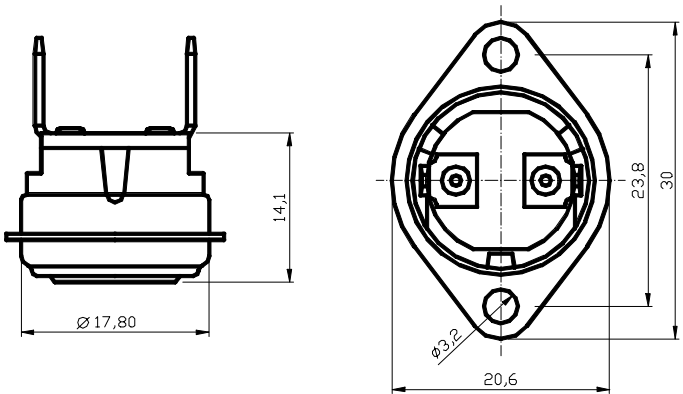


Part No. 120638	Thermal Control Type COR 45/31 1/2" Thermal Switch in Ceramic Housing																																					
																																						
Description:	Thermal switch with bimetal snap-action disc in ceramic housing. Opens the contact upon rising temperature and resets automatically into the original switching state when the temperature has dropped by the differential (automatic reset). The switching temperature is preset in the factory and cannot be adjusted subsequently.																																					
Application:	Ideally suited to control or limit a preset temperature in an environment with high ambient temperatures, e. g. baking ovens, industrial appliances, extruders, electric heating and warming devices, etc.																																					
Specifications:	<table border="0"> <tr> <td>Contact ratings:</td> <td>400VAC, 5A res.</td> <td>≥ 10,000 cycles (factory test)</td> </tr> <tr> <td></td> <td>250VAC, 10A res.</td> <td>≥100,000 cycles (factory test)</td> </tr> <tr> <td>Continuous current carrying capacity:</td> <td colspan="2">10A max.</td> </tr> <tr> <td>Minimum switching current:</td> <td colspan="2">≥50mA</td> </tr> <tr> <td>Contact resistance:</td> <td colspan="2">≤25mΩ</td> </tr> <tr> <td>Dielectric strength:</td> <td colspan="2">2,500Veff, 50Hz el. terminals to locking cap 500Veff, 50Hz across open contacts</td> </tr> <tr> <td>Ingress Protection rating of housing:</td> <td colspan="2">IP40</td> </tr> </table> <table border="0"> <tr> <td rowspan="2">Temperatures:</td> <td>Switching temperatures:</td> <td>Opening temperature</td> <td>To = 45°C ± 3K</td> </tr> <tr> <td></td> <td>Closing temperature</td> <td>Ts = 31°C ± 3K</td> </tr> <tr> <td></td> <td>Ambient temperature range:</td> <td colspan="2">-35°C . . . +130°C</td> </tr> </table> <table border="0"> <tr> <td>Terminals:</td> <td colspan="3">Standard = Fast-on blade terminal 4.8mm x 0.8mm compliant with DIN 46244. Other terminals on request. Optionally, the thermostat can be supplied with factory-terminated lead wires or stranded cable as per customer's specification.</td> </tr> </table>		Contact ratings:	400VAC, 5A res.	≥ 10,000 cycles (factory test)		250VAC, 10A res.	≥100,000 cycles (factory test)	Continuous current carrying capacity:	10A max.		Minimum switching current:	≥50mA		Contact resistance:	≤25mΩ		Dielectric strength:	2,500Veff, 50Hz el. terminals to locking cap 500Veff, 50Hz across open contacts		Ingress Protection rating of housing:	IP40		Temperatures:	Switching temperatures:	Opening temperature	To = 45°C ± 3K		Closing temperature	Ts = 31°C ± 3K		Ambient temperature range:	-35°C . . . +130°C		Terminals:	Standard = Fast-on blade terminal 4.8mm x 0.8mm compliant with DIN 46244. Other terminals on request. Optionally, the thermostat can be supplied with factory-terminated lead wires or stranded cable as per customer's specification.		
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Note:	To determine the maximum permissible current load, please refer to the applicable standards and regulations for the blade receptacles, cable lugs, and wires, etc. used.																																					

Technical specifications as stated in our data sheets are based on the results of tests carried out in the facilities of Temtech or the respective component manufacturer applying standard test methods and equipment. Results obtained when using different test procedures and equipments may vary. The proper adjustment of the thermostats and any other component purchased from Temtech and proof of suitability for the intended application is in the buyer's own responsibility. Temtech makes no warranty as to mismatches of any kind. We reserve the right to make changes that serve technical progress.