

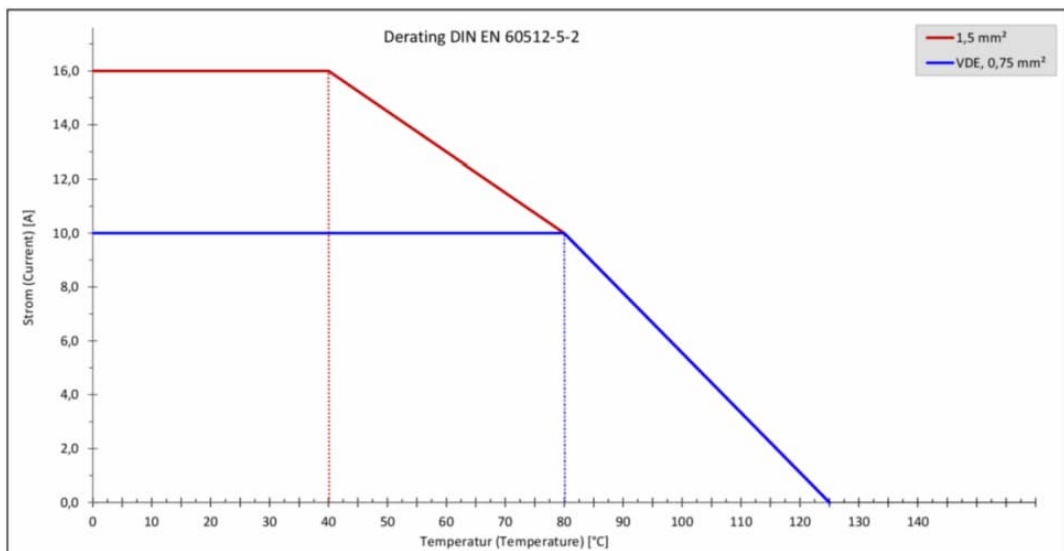


Product: THx - Series ST4

Thermal Switch with high mechanical strength and GSP DIN standard connector form A, 3-pin (2+1PE)

Description: Thermostat in a rugged metal housing operating with bimetal snap-action element. Opens (type THO) or closes (type THS) 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. All current-carrying parts are electrically isolated from the housing. The PE-pin is not connected to the metal housing.

Derating connector:





Specifications:	<p>Contact ratings: up to 50VDC at 130W resistive max. $\geq 30,000$ cycles → factory test max. 110VDC at 0.5A (contactor coil) max. → factory test 250VAC, 10A resistive $\geq 100,000$ cycles 250VAC, 16A resistive $\geq 10,000$ cycles</p> <p>Minimum switching current: ≥ 50mA with silver contacts, ≥ 10mA with gold-plated contacts</p> <p>Contact resistance of switch: ≤ 25mΩ with silver contacts, ≤ 10mΩ with gold-plated contacts</p> <p>Dielectric strength: up to 2,000Veff, 50Hz el. terminals metal housing 500Veff, 50Hz across open contacts</p> <p>Protection Degree / IP Rating: IP65 - only if mounted and locked in combination with Hirschmann / Lumberg Automation connector and suitable gasket.</p> <p>Housing material: Standard = brass CuZn39Pb3 / Ms58, Option: stainless steel / steel nickel-plated / Aluminium / RoHS-compliant brass</p> <p>Product standard: DIN EN 60730</p>
Temperatures:	<p>Switching temperatures: -20 . . . +120°C</p> <p>Ambient temperature range: -40 . . . +125°C</p> <p>Standard tolerance: ± 5K other / smaller values on request</p> <p>Standard differential: ≤ 15K other values on request (minimum 5K) special reset temperatures on request</p>

Connector:	Product Family:	Valve Connectors
	Type of Contact / Gender:	Male
	Number of Pins:	2+PE (The PE-pin is not connected to the metal housing)
	Coding:	A
	Shielding:	Unshielded
	Attachment Type:	Central Screw
	Contact Bearer Material:	PA GF
	Flammability Class (Contact Bearer):	UL 94 V-0
	Housing Material:	PA GF
	Flammability Class (Housing):	UL 94 HB

Note: Do not connect or disconnect under load.
Notice the derating.
Standard wrench size SW30 / SW24. Other wrench sizes on request. The threads and bolts are manufactured according to customer requirements. In addition to metric and pipe threads, special thread / stud sizes can be manufactured. Minimum thread size approx. M10.
Deviating from the standard, this series can also be manufactured for nominal voltages up to 400VAC.

Matching accessories:

	<p>Article number: 040414 Description: Flat Gasket for Form A Female connectors Type: GDM 3-21</p>
	<p>Article number: 040425 Description: DIN Valve Connector, Form A, Field Attachable, 2+Ground, Type: GDM 175301-803 Cable Gland: PG9</p>

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 with different test procedures and equipment 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.

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