

DEVICE TYPE		thyroswitch 2P	thyroswitch 3P
INPUT	Control input	10 – 30 V DC max. 30 mA 180 – 260 V AC 50/60 Hz max. 20 mA	10 – 30 V DC 3 inputs each max. 30 mA
	Fuse protection	Max. 6 A	Max. 6 A
POWER SUPPLY	Auxiliary voltage	230 V AC 50/60Hz max. 18VA	230 V AC ± 10% 50/60 Hz max. 35 VA
	Fuse protection	Max. 6 A	Max. 6 A
LOAD CIRCUIT	Connection voltage U_N	400/500 V 50/60 Hz (type-dependent → Table)	Δ 400 V/50 Hz Y 690 V/50 Hz
	Load current	70/90/115 A (type-dependent → Table)	Max. 100 A
	Power dissipation	70 A type approx. 2.2 W pro A 90/115 A type approx. 2.1 W pro A	70 A type approx 3 x 1.1 W pro A 100 A type approx 3 x 1.05 W pro A
FIELD OF APPLICATION	Creepage distances from control input to power circuit	> 10.5 mm for SELV voltages	> 10.5 mm for SELV voltages
	Rated voltage	$U_N \pm 10\%$	$U_N \pm 10\%$
	Harmonics voltage	DIN EN 61000-2-4 Klasse 3 THD Max. 10%	DIN EN 61000-2-4 Klasse 3 THD Max. 10%
CLOSING DELAY: SWITCH-OFF TIME > 5s	Input	DC: 0 up to max. 20 ms AC: 10 up to max. 30 ms	0 up to max. 20 ms
RECLOSURE DELAY CHOPPING OPERATION	Input	DC: 0 up to max. 33 ms AC: 10 up to max. 43 ms	0 up to max. 33 ms
ELECTRICAL SAFETY	Standards and amendments		
	Protection class	I	I
	Clearances	EN61010:2001 for contamination degree II Measurement category III	EN61010:2001 for contamination degree II Measurement category III
	Mode of protection	IP 10	IP 10
AMBIENT CONDITIONS	Standards and amendments	DIN EN 60721-3-3/A2 (3K5 + 3Z11) EC 721-3-3 (3K5 + 3Z11)	DIN EN 60721-3-3/A2 (3K5 + 3Z11) IEC 721-3-3 (3K5 + 3Z11)
	Air humidity, non-condensing	5% bis 95%	5% to 95%
	Operating temperature	-5°C to +55°C → observe performance restriction depending on ambient temperature.	-5°C to +55°C
	Storage temperature	25°C to +70°C	-25°C to +70°C
INSTALLATION	Installation position	Vertical or horizontal	Vertical or horizontal
	Cooling clearances	Minimum 50 mm to the fan and Minimum 150 mm to the heat sink outlet	Minimum 50 mm to the fan and Minimum 150 mm to the heat sink outlet
HOUSING	Sizes in mm (H x W x D)	220 x 105 x 185 mm 220 x 105 x 198 mm (type 115 A)	220 x 182 x 188 mm
WEIGHT		Approx. 2900 g Approx. 3600 g (type 115 A)	Approx. 204.59 oz