



## 2015 Product Overview

### Ex-Heaters, Thermostats, Controllers

Sketch	Type Designation	Description	Nominal
<b>Electric Heaters, Convection Style with Freeze Protection Thermostat</b>			
	CP MICROTHERM DNA 25 T4 TS	Heater for vertical installation	25 W
	CP MICROTHERM DNA 40 T4 TS	with freeze protection thermostat	40 W
	CP MICROTHERM DNA 75 T3 TS	in the connection cable	75 W
	CP MULTITHERM DNA 75 T4 TS	Heater	75 W
	CP MULTITHERM DPA 100 T4 TS	for vertical installation	100 W
	CP MULTITHERM DNA 100 T3 TS	with freeze protection thermostat	100 W
	CP MULTITHERM DNA 150 T3 TS	in the connection cable	150 W
	CP MULTITHERM DPA 200 T3 TS	N= 155mm (height of the heater)	200 W
	CP MULTITHERM DPA 250 T3 TS	P= 225mm (height of the heater)	250 W
	CP VARITHERM DPA 50 T6 100 TS	Finned profile heater	50 W
	CP VARITHERM DPA 125 T4 40 TS	with freeze protection thermostat	125 W
	CP VARITHERM DPA 200 T4 80 TS	in the connection cable	200 W
	CP VARITHERM DPA 300 T3 60 TS		300 W
	CP VARITHERM DPA 400 T3 80 TS	P=220 mm (length of the heater)	400 W
	CP VARITHERM DPA 500 T3 100 TS		500 W
CP MEGATHERM DTA 300 T4 TS	T= 325mm (height of the heater)	300 W	
CP MEGATHERM DPA 400 T3 TS	P= 225mm (height of the heater)	400 W	
CP MEGATHERM DTA 600 T3 TS		600 W	
<b>Electric Heaters, Convection Style for Condensation Protection</b>			
	SL MINITHERM DLA T4 40	Finned self-limiting heater	70 W
	SL QUADRATHERM DLA T3		80 W
	SL MEGATHERM DPA T3		200 W
	SL MEGATHERM DTA T3		300 W
<b>Electric Heaters, Convection Style for Temp. Maintenance for Combination with TAE.. or TC A..</b>			
	CP MULTITHERM DNA 100 T3 TS40	Heater	100 W
	CP MULTITHERM DPA 140 T3 TS60	with protection thermostat 40°C or 60°C	140 W
	CP VARITHERM DPA 125 T4 100 TS40	in the connection cable	125 W
	CP VARITHERM DPA 200 T3 80 TS60		200 W
	CP VARITHERM DPA 300 T3 100 TS60		300 W
<b>SMART HEATER for High Temperature Maintenance</b>			
	CP VARITHERM DPA 200 T3 80 HI	Special heater of electric limiter,	200 W
	CP VARITHERM DPA 200 T4 120 HI	for combination	200 W
	CP VARITHERM DPA 500 T3 120 HI	of digital controller TC ATEX D E1 SJ	500 W
	CP BLOCKTHERM DLA 100 T3 HI	designed for high temperatures in hazardous areas;	100 W
	CP BLOCKTHERM DPA 200 T3 HI		200 W
	TC ATEX D E1 Sii J	Electronic temperature controller (digital) with integrated Ex e terminals and intrinsically safe sensor cable (E1=1m long)	min.60W max. 2300W
	SMART HEATER Software	Software package for programming the TC...D series digital controllers, via a customer-supplied PC, consisting of: - Disc with software - interface converter USB to RS485	
<b>Electric Heaters, Conduction Style</b>			
	SL BLOCKTHERM DKA T4	Self-limiting block heater	50 W
	SL BLOCKTHERM DLA T4	K= Block length 90mm	50 W
	SL BLOCKTHERM DKA T3	L= Block length 105mm	80 W
	SL BLOCKTHERM DLA T3	P= Block length 225mm	80 W
	SL BLOCKTHERM DPA T3		150 W
	SL BLOCKTHERM DLA T3 24 V	Self-limiting block heater	24V/25W
	SL BLOCKTHERM DLA T3/T4 ADA	...with adapter plate	80 W
			50 W
<b>Options</b>			
	...AM	Failure alarm	

CP=Constant Power, SL=Self limiting. All products are available for application in areas with potentially explosive gas/dust/air mixtures

Nominal voltage 230V AC, standard cable length 1 metre, extra charge for other lengths (consult factory)

Other options on request (e.g. other power outputs, switch-point, temperature classes, nominal voltages 24V, 120V, 254V, 277V, explosion protection to CSA - NRTL/C/US, BI-Standard (CS/ATEX), FTZU etc., stainless steel material)



## 2015 Product Overview

### Ex-Heaters, Thermostats, Controllers

Sketch	Type Designation	Description	Nominal Power
<b>Thermostats and Temperature Controllers for Convection and Conduction Heaters</b>			
	TAE ii	Thermostat with preset fixed setpoints ii= -10, 10, 20, 30, 40°C or higher (on request)	250V AC/ 10A
	TAE -15	Thermostat to provide protection against extreme cold. Designed to operate instruments certified for temperatures up to only - 20°C	250V AC/ 10A
	TC ATEX AI Fii C1	Electronic temperature controller (analogue) with preset fixed setpoints. ii=10, 20, 25, 30, 35, or 40°C, connection cable C1=1m	min. 75 W max.2000W
	TC ATEX AI Fii J	as above, however, with integrated Ex e terminals	min. 75 W max.1000W
	TC ATEX AI S10-40 C1	Electronic temperature controller (analogue) with adjustable setpoints (10, 20, 25, 30, 35, or 40°C) connection cable C1 = 1m (standard)	min. 75 W max.2000W
	TC ATEX AI S10-40 J	As above, however, with integrated Ex e terminals	min. 75 W max.1000W
<b>SMART HEATER for High Temperature Maintenance</b>			
	CP VARITHERM DPA 200 T3 80 HI	Special heater of electric limiter, for combination of digital controller TC ATEX D E1 SJ designed for high temperatures in hazardous areas; Option: SMART HEATER Software	200 W
	CP VARITHERM DPA 200 T4 120 HI		200 W
	CP VARITHERM DPA 500 T3 120 HI		500 W
	CP BLOCKTHERM DLA 100 T3 HI		100 W
	CP BLOCKTHERM DPA 200 T3 HI		200 W
	TC ATEX D E1 Sii J	Electronic temperature controller (digital) with integrated Ex e terminals and intrinsically safe sensor cable (E1=1m long)	min.60W max2300W
SMART HEATER Software	Software package for programming the TC...D series digital controllers, via a customer-supplied PC, consisting of: - Disc with software - interface converter USB to RS485		
<b>SMART Fluid Heater</b>			
		Heating of fluids and gas in hazardous areas	
<b>Thermostats and Temperature Controllers for Convection and Conduction Heaters</b>			
	TAE 5 AM	Alarmer Potential-free alarm contact opens at ≤5°C	250V AC/ 10A
	TAE 20 AM	opens at ≤20°C	
	TAE 30 AM	opens at ≤30°C	
	TAE ii M20	Thermostat for mounting to an EEx e device with M20x 1,5 thread, preset fixed setpoints ii = -15,-10, 10, 20, 30, 40, 50, 60 or 70 °C	250V AC/ 10A
	TAE ii M20D	as above however, also certified for mounting to an EEx d device	
<b>Junction box</b>			
	AD 4 M	4-port, 3 cable glands M20	Polyester
	JB 01-6 ATEX	4 Ports M20x1,5 (2 glands + 2 blind plugs), 6 Terminals + 4 PE , -55°C to 60°C	
	AD 8 M ATEX	8-port, 4 cable glands M20 + 2 blind plugs M20	
	Other junction boxes on request		

Subject to technical changes, printing errors and price increases due to rising raw material costs. Not all the options can be combined.

The listed prices are ex works (INCOTERMS 2010), uncleared, packing extra, plus V.A.T. (if applicable).

Prices are subject to change without notice. Payment: 10 days 2%, 30 days net.

Place of performance is Neustadt on the Donau, Germany and jurisdiction is Ingolstadt on the Donau, Germany.