

HTC-PX
HTC-HX

Self-regulating heating cable for ATEX environments

for temperatures up to 85 °C (class T6)



STRUCTURE

- conductor wires
tinned copper
- self-regulating
conductive matrix
- primary insulation
modified polyolefin
- metal braid
tinned copper
- outer sheath
polyolefin



APPLICATIONS

- Freeze protection or process temperature maintenance of pipe systems, tanks and reservoirs in industrial environments up to 85 °C
- Approved for use in potentially explosive environments (ATEX II 2 GD classified)**

FEATURES

- Degree of protection: IP 66 (EN 60529)
- CE Marking

IECEx Classification (CEI EN IEC 60079)
Ex eb IIC T6 Gb – Ex tb IIIC T85°C Db

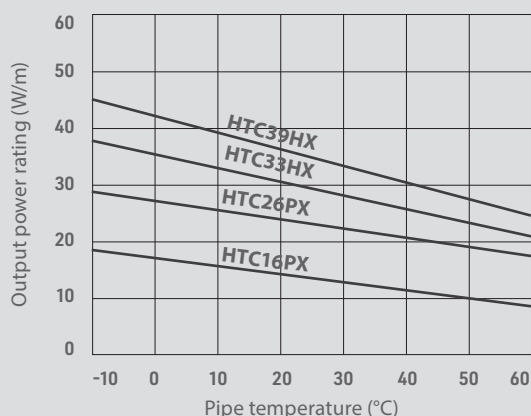
ATEX Classification
Ex II 2 GD

FM Approved
Class I, Div 2, Group A, B, C, D
Class II, Div 1, Group E, F, G

For ATEX
accessories
see on
pages 218-219

ref.	item	unit power at 10 °C (W/m)	max. contact temperature		min. installation temperature	min. ord. qty (m)	mult. ord. qty (m)
			continuous	intermittent			
HTC16PX	HTC16PX	16	65 °C	85 °C	–40 °C	10	10
HTC26PX	HTC26PX	26				10	10
HTC33HX	HTC33HX	33				10	10
HTC39HX	HTC39HX	39				10	10

Power rating



Nominal power output versus temperature graph
evaluated on thermal insulated metal pipes

Sizing table

ref.	start-up temperature (°C)	circuit breaker current rating			
		15 A	20 A	30 A	40 A
		maximum cable circuit length * (m)			
HTC16PX	−20	72	92	138	149
	0	83	105	149	149
	+10	130	149	149	149
HTC26PX	−20	46	65	97	116
	0	54	73	111	116
	+10	81	111	116	116
HTC33HX	−20	37	53	80	101
	0	41	60	91	101
	+10	64	88	101	101
HTC39HX	−20	39	40	65	87
	0	48	47	70	94
	+10	55	58	89	94

* Estimated values for installation with type C
curve and 30 mA ground-fault circuit breaker

Type
Self-regulating

Supply voltage
230 Vac

Conductor cross-section
1.3 mm² (16 AWG)

Maximum intermittent
exposure temperature
**85 °C
(IECEx T6)**

Maximum continuous
exposure temperature
65 °C

Cable cross dimensions
12.8 × 6.3 mm

Minimum bend radius
40 mm (at –40°C)



ATEX Classification
Ex II 2 GD



FM18ATEX0062X