

SBS-FP-XX-16A CONTROL PANEL FOR PIPE FREEZE PROTECTION



nVent RAYCHEM SBS-FP-xx-16 A control panel provides an integrated solution for nVent RAYCHEM self-regulating heating cables in pipe freeze protection applications. It offers multi-circuits, each with line sensing control or proportional ambient sensing control (PASC) with integrated electrical protection. A 400 VAC (3 phase) supply is required.

FEATURES & BENEFITS

Available with the Elexant 450c with Modbus RS485 port for remote monitoring connectivity, configuration, and ease of integration in a Building Management System (BMS).

Simple and fast connection of multiple circuits, directly into a single panel

High capacity, with 3-12 maximum circuit lengths connected into the panel

Fully integrated system: all connections, circuit protection and safety devices integrated into the panel

Energy saving: with options for digital line sensing or proportional ambient sensing control (PASC)

Reliable, complete system from one manufacturer and specifically designed for pipe freeze protection systems

Reliable during long life: 6 year extended product warranty available, maintenance free

SPECIFICATIONS

Mounting Wall Mounted

IP Rating IP65

Protection Miniature- / Earth Leakage Circuit Breaker

Over Voltage Protection Yes

Circuit Breaker 16 A, Type C

Phase Quantity 3

Communication Protocol Modbus RTU

Table 1/2

Catalog Number	Item Name	Group Quantity	Circuit Breaker Quantity	Main Switch Current Rating	Circuit Breaker Quantity, 30 mA	Controller Included
1244-022631	SBS-FP-12x16A-MODBUS	4	12	63 A	4	Elexant 450c
1244-022628	SBS-FP-3x16A-MODBUS	2	3	40 A	1	Elexant 450c
1244-022629	SBS-FP-6x16A-MODBUS	2	6	40 A	2	Elexant 450c
1244-022630	SBS-FP-9x16A-MODBUS	3	9	63 A	3	Elexant 450c

Table 2/2

Catalog Number	Item Name	Height	Width	Depth	Housing Material
1244-022631	SBS-FP-12x16A-MODBUS	800 mm	800 mm	210 mm	Steel
1244-022628	SBS-FP-3x16A-MODBUS	600 mm	600 mm	210 mm	Steel
1244-022629	SBS-FP-6x16A-MODBUS	600 mm	600 mm	210 mm	Steel
1244-022630	SBS-FP-9x16A-MODBUS	800 mm	800 mm	210 mm	Steel

Mounting Wall Mounted

IP Rating IP65

Protection Miniature- / Earth Leakage Circuit Breaker

Over Voltage Protection Yes

Circuit Breaker 16 A, Type C

Phase Quantity 3

Communication Protocol None

Table 1/2

Catalog Number	Item Name	Group Quantity	Circuit Breaker Quantity	Main Switch Current Rating	Circuit Breaker Quantity, 30 mA	Controller Included
1244-022470	SBS-FP-12x16A	4	12	63 A	4	No

Catalog Number	Item Name	Group Quantity	Circuit Breaker Quantity	Main Switch Current Rating	Circuit Breaker Quantity, 30 mA	Controller Included
1244-022467	SBS-FP-3x16A	1	3	40 A	1	No
1244-022468	SBS-FP-6x16A	2	6	40 A	2	No
1244-022469	SBS-FP-9x16A	3	9	63 A	3	No

Table 2/2

Catalog Number	Item Name	Height	Width	Depth	Housing Material
1244-022470	SBS-FP-12x16A	800 mm	800 mm	210 mm	Steel
1244-022467	SBS-FP-3x16A	600 mm	400 mm	210 mm	Steel
1244-022468	SBS-FP-6x16A	600 mm	600 mm	210 mm	Steel
1244-022469	SBS-FP-9x16A	800 mm	800 mm	210 mm	Steel

Complete panel wiring information and schematics are provided with the product. All electrical installations must be carried out by an approved electrician in compliance with local electrical requirements and norms.

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