

PP2710 / 2019 / ISSUE 1 / DRAFT E

DATASHEET

SOTERIA UL

MINI SWITCH MONITOR MODULE



PRODUCT OVERVIEW

Product	Mini Switch Monitor Module
Part No.	SA4705-600APO
Digital Communication	XP95, Discovery and CoreProtocol® compatible

PRODUCT INFORMATION

The Mini Switch Monitor Module is a loop-powered device incorporating a monitored input circuit for connection to remote switches, for indoor use only.

- Built-in isolator
- Visible LEDs
- Loop Powered
- CoreProtocol® enabled
- Ground fault detection
- Selectable priority to monitor equipment where a fast response is required
- Interrupt facility
- Fits into equipment that has limited space
- Improved design for ease of mounting

APPROVALS



TECHNICAL DATA

All data is supplied subject to change without notice Specifications are typical at 24 V, 73°F and 50% RH unless otherwise stated.

General	
Product Operating Temperature	32°F to 120°F
Humidity	10% to 93% RH (no condensation or icing)
Standards and Approvals	UL, ULC, CSFM, FM
Dimensions	1.9" width x 3.0" height x 0.6" depth
Materials	Housing: UL94 V-0 polycarbonate
Wire Size	18 AWG

Single Line Circuit (SLC) - Supervised power limited

Supply Voltage	17 V to 28 V DC
Modulation Voltage	5 V - 9 V peak to peak
Supervisory Current	500 µA
Switch-on Surge Current	900 µA
Alarm/Operated Current, LED On	1.6 mA per LED
Maximum Loop Current	1 A

Initiating Device Circuit (IDC)

Wiring Styles	Supervised power limited Class A and Class B
Voltage	3.3 V DC
Line Impedance	100 Ω Max
End-of-Line Resistors*	47 kΩ

Note: End-of-Line-Resistors* A UL listed end-of-line resistor is available at Apollo - Part No. 44251-146

LED STATUS

LED Color	Description	Protocol Compatibility	
		XP95/Discovery	Core
Green	Polling	X	X
Yellow (Solid)	Isolation	X	X
Yellow (Flash)	Fault	-	X
Red	Alarm	X	X