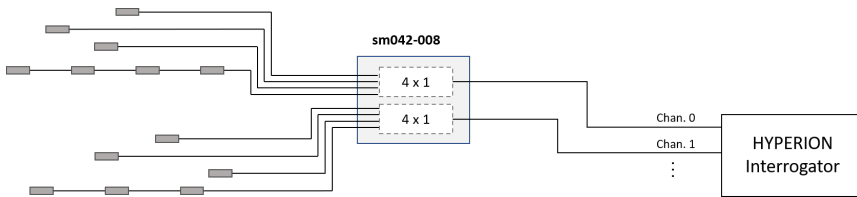




sm042

Optical Couplers for HYPERION Systems

The sm042 optical couplers provide versatility in the configuration of optical sensor networks with the Luna HYPERION interrogators. Consisting of either two (sm042-008) or four (sm042-016) distinct 1x4 passive couplers, the sm042 facilitates the configuration of star network layouts and the convenient integration of single-ended sensors.



KEY FEATURES

- Configure star network layouts and accommodate single-ended sensors
- 1x4 optical coupling
- 8-channel and 16-channel options
- Compact design

The sm042 couplers facilitate the configuration of optical sensor networks to accommodate application layout requirements or simplify the connection of single-ended sensors.

PARAMETER	SPECIFICATION	
	sm042-008	sm042-016
Coupler configuration	2 inputs, 8 outputs (two 1x4 couplers)	4 inputs, 16 outputs (four 1x4 couplers)
Insertion loss (total two-way loss)	≤ 18.0 dB	
Connector type	LC/APC	
Operating temperature range	-10 to 75 °C	
Dimensions	2.6 x 4.3 x 0.63 in (65 x 110 x 16 mm)	4.7 x 4.3 x 0.63 in (120 x 110 x 16 mm)

ORDERING

Part Number	Description
sm042-008	8-channel coupler, with 2 inputs and 8 outputs
sm042-016	16-channel coupler, with 4 inputs and 16 outputs