

# ModICE™ Modular Connector Enclosures

ModICE™ is a complete line of connector enclosures that offers sealed packaging solutions for rugged electronic control modules. The Cinch 1.5mm SHS system is the base interconnect technology.

The ModICE™ Advantage:

- 3 distinct enclosure sizes (ME, SE, LE)
- Multiple header configurations (18, 30, 48 and 60 I/O)
- Available Options:
  - ME Header with integrated RF Ports (SMA, RP-SMA)
  - Headers with integrated ferrite filtering
  - Blank headers for specific customer applications
  - Enclosures with integrated heat sink (SE and LE)
  - Vented enclosures (Breather vent)
- Simple module assembly with snap-in header/PCB



LE Enclosure  
(PCB not provided by Cinch)



ME-RF Enclosure



ME Enclosure



SE Enclosure with Vent



## Product Specification

**Operating Temperature:** -40°C to +85°C

**Current:** 10 Amp @ 85°C

**Contact Resistance:** < 10mΩ

**Insulation Resistance:** > 1000 MΩ

**Sealing:** IP67, IP69K

**Temperature Life:** 1000 Hrs @ 85°C

**Current Cycling:** 500Hrs @ 10 Amp

500 cycles 45 min ON – 15 min OFF

**Vibration:** 10 to 2000 to 10 Hz with 15 g's peak level

**Shock:** 50 g's – 20 pulses

**Salt Spray:** 96 Hrs

**Temperature Humidity Cycling:** 320 Hrs

40 – 8 Hrs cycles -40°C to +85°C

**Fluid Resistance:** Resists to most fluids used in industrial applications



# ModICE™ Enclosures



## ME

	Enclosure	With Breather
Without Heat Sink	581 01 30 065	581 01 30 075

## SE

	Enclosure	With Breather
Without Heat Sink	581 01 30 043	581 01 30 059
With One Heat Sink	581 01 30 042	581 01 30 058
With Two Heat Sinks	581 01 30 041	581 01 30 057

## LE

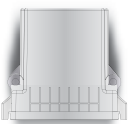
	Enclosure	With Breather
Without Heat Sink	581 01 60 033	581 01 60 039
With One Heat Sink	581 01 60 032	581 01 60 038
With Two Heat Sinks	581 01 60 031	581 01 60 037

## SE & LE Spring Plate for Heat Sink Option

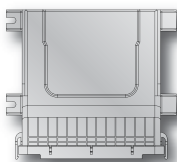
	Spring Plates
One Heat Sink	581 00 00 021
Two Heat Sinks	581 00 00 020 and 581 00 00 021

\* The heat sink option is only available on the SE and LE Enclosure.

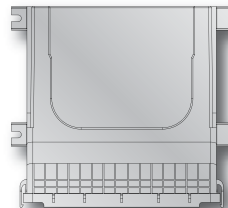
ME



SE



LE



SE/LE Enclosure



For dimensions visit [www.cinch.com](http://www.cinch.com)