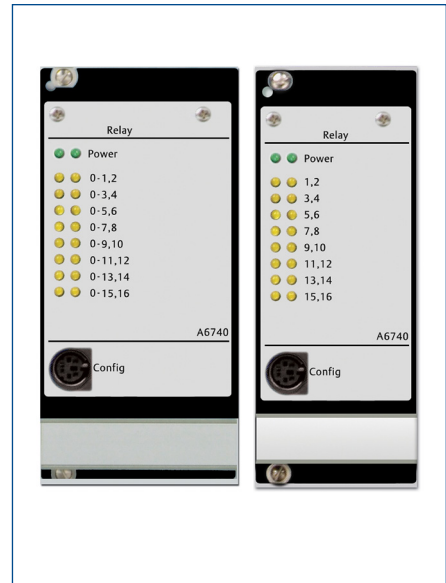


16-Channel Output Relay Module Specifications

The 16-Channel Output Relay Module is designed for high reliability for the plant’s most critical rotating machinery. This 2-slot monitor is used together with the AMS 6500 to build a complete API 670 machinery protection monitor. Applications include steam, gas, compressors and hydro turbo machinery.

Any channel clear, alert or alarm signal can be selected as input to the 16-Channel Output Relay Module. Use Boolean logic, apply time delay, and select an output relay to complete the configuration. Easy-to-use software provides graphical logic displays that guide the user pictorially through configuration.

The AMS 6500 Machinery Health Monitor is an integral part of PlantWeb® and AMS software. PlantWeb provides operationsintegrated machinery health combined with the Ovation® and DeltaV™ process control system. AMS software provides maintenance personnel advanced predictive and performance diagnostic tools to confidently and accurately determine machine malfunctions early.



A6740

A6740-10

Data Output	
Relays	Redundant relay configurable Mechanical relays per API 670 specification Control voltage: 13-32 VDC Contact load: 48 V, 1 A Normally open or Normally closed, selectable Normally energized, or Normally non-energized, selectable Single pole, double throw (SPDT)
Logic	Redundant relay configurable Off, AND, OR, 2 out of 3, AND AND OR Up to 30 logic expressions definable per 6740 module
Inputs	60 inputs of type: <ul style="list-style-type: none"> ■ Channel clear (slot number), channel 1 and 2 ■ Alert (slot number), channel 1 and 2 ■ Danger (slot number), channel 1 and 2
Outputs	Relay 1-16
Time Delay	0-30 seconds
Handle	Easily remove card and provide plate for module identification

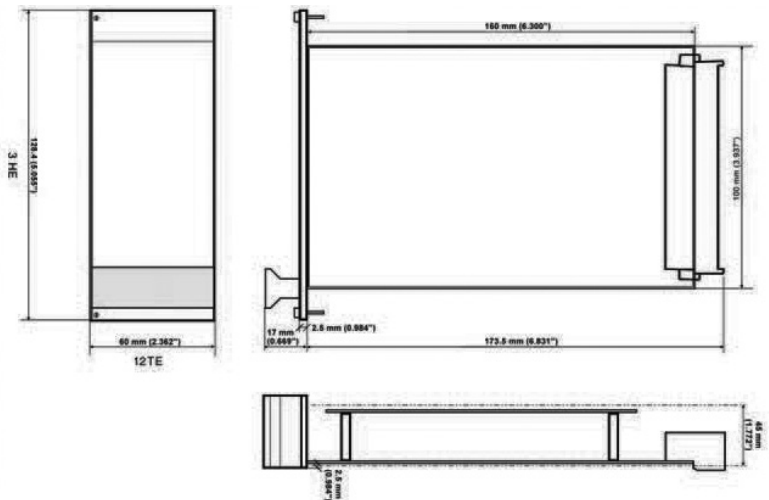
- 3U size, 2-slot plu-in module decreases cabinet space requirements in half from traditional 6U size cards
- API 670 compliant, hot swappable module
- 60 inputs, 30 logical expressions, 16 relay outputs
- 6740 is a 12TE wide module for IMR6000 series rack
- 6740-10 is the 10TE wide module for the IMR6500 series rack

Environmental, General	
Module	IP 00, DIN 40050
Front plate	IP 20, DIN 40050
Climate	DIN 40040 class KTF
Operating temperature	0°-65° C (32°-149° F)
Temperature for storage and transport	-40°-70° C (-40°-158° F)
Relative humidity	5-95%, non condensing
Vibration	IEC 68-2, part 6
- Vibration	0.15 mm, 10-55HZ
- Acceleration	19.6 mm/s ² , 55-150 Hz
Shock	IEC 68-2, part 29
- Shock duration	98 m/s ² (9.98 g's peak) 16 msec
EMC resistance	EN50081-1 / EN50082-2
Power consumption	Max. 6 W
Configuration	Password protected

6740 Relay Module

Dimensions:

PCB/EURO card format according to
 DIN 41494, 100 x 160mm (3.937 x 6.300in)
 Width: 60mm (2.362in) (12 TE)
 Height: 128.4mm (5.055in) (3 HE)
 Length: 160mm (6.300in)
 Net Weight: app 320g (0.705lbs)
 Gross Weight: app 450g (0.992lbs)
 Packing Volume: app 2.5dm³ (0.08ft³)



6740-10 Relay Module

Dimensions:

PCB/EURO card format according to DIN 41494, 100 x 160mm (3.937 x 6.300in)

Width: 54.46 mm (1.99 in)
(10 TE)

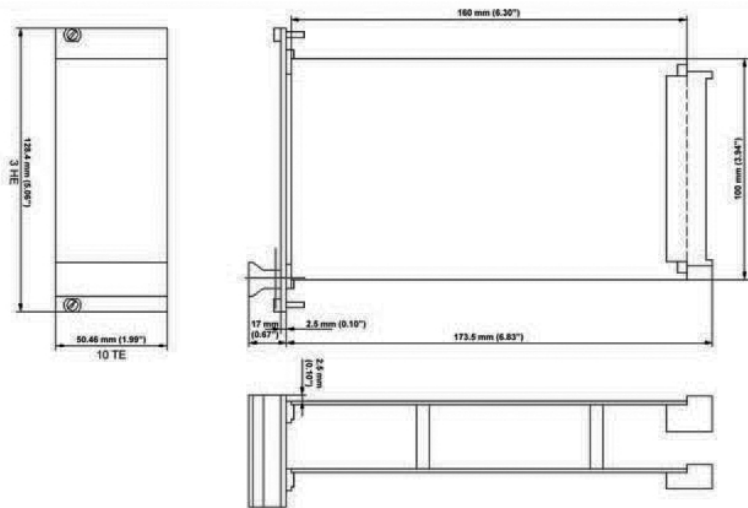
Height: 128.4mm (5.055in) (3 HE)

Length: 160mm (6.300in)

Net Weight: app 320g (0.705lbs)

Gross Weight: app 450g (0.992lbs)

Packing Volume: app 2.5dm³ (0.08ft³)



Ordering Information

Model Number	Product Description
A6740	16-Channel Output Relay Module, 12 TE wide module for use in IMR 6000/10, IMR 6000/20 and IMR 6000/30
A6740-10	16-Channel Output Relay Module, 10 TE wide relay module for use with AMS 6500 systems

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