## HSL-AI16A02-M-VV/-AV

### 16-CH Analog Input 2 Analog Output Module



#### Specifications

| | |
|---|---|
| Slave ID consumption | 2 |
| Interface | 16-CH single-ended or 8-CH differential analog input<br>2-CH single-ended analog output |
| AD resolution | 16-bit (14-bit guarantee) |
| DA resolution | 16-bit |
| AD voltage input range | ±10V, ±5V, ±2.5V, ±1.25V |
| AD current input range | ±20mA |
| DA voltage output range | ±10V |
| AD conversion time | 10 µs |
| DA settling time | 10 µs |
| Over-voltage protection | ±30V |
| LED indicator | Power and Link |
| Power supply | +22V to +26$V_{DC}$ |
| Operating temperature | 0 to 60˚C |
| Storage temperature | -20 to 80˚C |
| Power consumption | 2.9W |

## HSL-DI8-L-N/-P

### 8-CH Low-Profile Discrete Input Module



#### Specifications

| | |
|---|---|
| Slave ID consumption | 1 |
| Interface | N: for NPN sinking type sensor input or dry contact<br>P: for PNP sourcing type sensor input or wet contact |
| Photo couple isolation voltage | 2500$V_{RMS}$ |
| Input impedance | 4.7kΩ |
| Input current | ±10mA(Max), ±12.5mA(Peak) |
| Input voltage | ±40V(Max) |
| LED indicators | Power, Link and Input status |
| Power supply | 22V to 26$V_{DC}$ |
| Operation temperature | 0 to 60˚C |
| Storage temperature | - 20 to 80˚C |
| CE certification | Ready |

## HSL-DO8-L-N/-P

### 8-CH Low-Profile Discrete Output Module



#### Specifications

| | |
|---|---|
| Slave ID consumption | 1 |
| Interface | N: for NPN sinking type output<br>P: for PNP sourcing type output |
| Output switching capacity | Single channel 500mA; all channels 60mA at 24$V_{DC}$ |
| Photo couple isolation voltage | 2500$V_{RMS}$ |
| Output response time | ON → OFF: 180µs, OFF → ON:1.2µs |
| LED indicators | Power, Link and Output status |
| Power supply | 22V to 26$V_{DC}$ |
| Operation temperature | 0 to 60˚C |
| Storage temperature | -20 to 80˚C |
| CE certification | Ready |

## HSL-DI4DO4-L-NN/-PN/-NP/-PP

### 4-CH Low-Profile Discrete Input 4-CH Discrete Output Module



#### Specifications

| | |
|---|---|
| Slave ID consumption | 1 |
| Interface | N: sinking type<br>P: source type |
| Photo couple isolation voltage | 2500VRMS |
| Input impedance | 4.7kΩ |
| Input current | ±10mA(Max), ±12.5mA(Peak) |
| Input voltage | ±40V(Max) |
| LED indicators | Power, Link and Input/Output status |
| Power supply | 22V to 26VDC |
| Operation temperature | 0 to 60˚C |
| Storage temperature | -20 to 80˚C |
| CE certification | Ready |





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