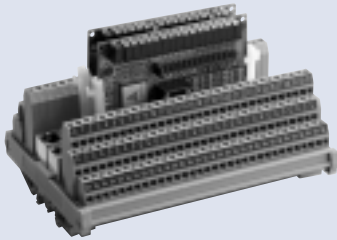


HSL-DI48D016-XX-DIN (X=N for NPN or P for PNP)

48-CH Discrete Input 16-CH Discrete Output Module

**Specifications**

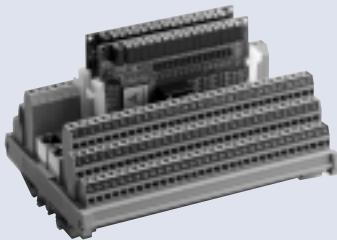
- Slave ID consumption: 3
- NN: for 48-CH NPN sinking type sensor inputs or dry contact and 16-CH NPN sinking type outputs

- PN: for 48-CH PNP sourcing type sensor inputs or wet contact and 16-CH NPN sinking type outputs
- NP: for 48-CH NPN sinking type sensor inputs or dry contact and 16-CH PNP sourcing type outputs
- NP: for 48-CH PNP sourcing type sensor inputs or wet contact and 16-CH PNP sourcing type outputs
- Photo couple isolation voltage: 2500Vrms
- Input impedance: 4.7K Ω
- Input current: $\pm 10\text{mA}$ (Max), $\pm 12.5\text{mA}$ (Peak)
- Input voltage: $\pm 40\text{V}$ (Max)
- Output switching capacity: Single channel 500mA; all channels 60mA at 24V_{DC}

- Output response time: ON \rightarrow OFF: 180 μs , OFF \rightarrow ON: 1.2 μs
- Field I/O wiring connection for HSL I/O modules
- Spring terminal for easy field wiring
- Power and ground included for each signal channel
- DIN rail mounting
- Terminator on board
- I/O Wire Gauge: 20 AWG. (max.) 28AWG. (min.)
- LED indicator: Power, Link and I/O status
- Power supply: +10V to +30V_{DC}
- Operating temperature: 0 to 60°C
- Storage temperature: -20 to 80°C
- Power consumption: 1.8W

HSL-DI16D048-XX-DIN (X=N for NPN or P for PNP)

16-CH Discrete Input 48-CH Discrete Output Module

**Specifications**

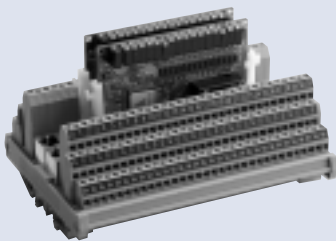
- Slave ID consumption: 3
- NN: for 16-CH NPN sinking type sensor inputs or dry contact and 48-CH NPN sinking type outputs

- PN: for 16-CH PNP sourcing type sensor inputs or wet contact and 48-CH NPN sinking type outputs
- NP: for 16-CH NPN sinking type sensor inputs or dry contact and 48-CH PNP sourcing type outputs
- NP: for 16-CH PNP sourcing type sensor inputs or wet contact and 48-CH PNP sourcing type outputs
- Photo couple isolation voltage: 2500 Vrms
- Input impedance: 4.7K Ω
- Input current: $\pm 10\text{mA}$ (Max), $\pm 12.5\text{mA}$ (Peak)
- Input voltage: $\pm 40\text{V}$ (Max)
- Output switching capacity: Single channel 500mA; all channels 60mA at 24V_{DC}

- Output response time: ON \rightarrow OFF: 180 μs , OFF \rightarrow ON: 1.2 μs
- Field I/O wiring connection for HSL I/O modules
- Spring terminal for easy field wiring
- Power and ground included for each signal channel
- DIN rail mounting
- Terminator on board
- I/O Wire Gauge: 20 AWG. (max.); 28AWG. (min.)
- LED indicator: Power, Link and I/O status
- Power supply: +10V to +30V_{DC}
- Operating temperature: 0 to 60°C
- Storage temperature: -20 to 80°C
- Power consumption: 1.8W

HSL-DI64-X-DIN (X=N for NPN or P for PNP)

64-CH Discrete Input Module

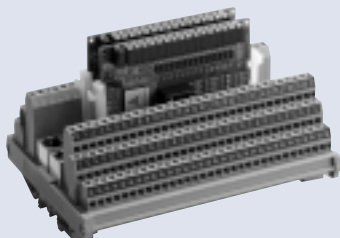
**Specifications**

- Slave ID consumption: 4
- N: for 64-CH NPN sinking type sensor inputs or dry contact
- P: for 64-CH PNP sourcing type sensor inputs or wet contact
- Photo couple isolation voltage: 2500Vrms
- Input impedance: 4.7K ohm
- Input current: $\pm 10\text{mA}$ (Max), $\pm 12.5\text{mA}$ (Peak)
- Input voltage: $\pm 40\text{V}$ (Max)
- Field I/O wiring connection for HSL I/O modules

- Spring terminal for easy field wiring
- Power and ground included for each signal channel
- DIN rail mounting
- Terminator on board
- I/O Wire Gauge: 20 AWG. (max.); 28AWG. (min.)
- LED indicator: Power, Link and I/O status
- Power supply: +10V to +30V_{DC}
- Operating temperature: 0 to 60°C
- Storage temperature: -20 to 80°C
- Power consumption: 1.8W

HSL-D064-X-DIN (X=N for NPN or P for PNP)

64-CH Discrete Output Module

**Specifications**

- Slave ID consumption: 4
- N: for 32-CH NPN sinking type outputs
- P: for 32-CH PNP sourcing type outputs
- Photo couple isolation voltage: 2500Vrms
- Output switching capacity: Single channel 500mA; all channels 60mA at 24V_{DC}
- Output response time: ON \rightarrow OFF: 180 μs , OFF \rightarrow ON: 1.2 μs
- Field I/O wiring connection for HSL I/O modules
- Spring terminal for easy field wiring

- Power and ground included for each signal channel
- DIN rail mounting
- Terminator on board
- I/O Wire Gauge: 20 AWG. (max.); 28AWG. (min.)
- LED indicator: Power, Link and I/O status
- Power supply: +10V to +30V_{DC}
- Operating temperature: 0 to 60°C
- Storage temperature: -20 to 80°C
- Power consumption: 1.8W