# Modicon Quantum automation platform

## Catalog

## November 2015



Schneider Electric

# Modicon Quantum automation platform

## Discrete I/O modules

### AC inputs



| Type | | 16-channel discrete input modules | 32-channel discrete input modules | 32-channel discrete input modules |
|---|---|---|---|---|
| | |  |  |  |
| **Input voltage** | | 24 V ∼ | | 48 V ∼ |
| **Input frequency** | | 47...63 Hz | | |
| **Modularity** | Number of channels | 16 | 32 | 32 |
| | Number of groups | 16 | 4 | 4 |
| | Number of channels per common | 1 | 8 | 8 |
| **Isolation** | | No common point | By group | By group |
| **I/O addresses** | | 1 input word | 2 input words | 2 input words |
| **Bus current required** | | 180 mA | 250 mA | 250 mA |
| **Maximum dissipated power** | | 5.5 W | 10.9 W | 10.9 W |
| **External power supply** | | – | | |
| **External fuses** | | Depending on use | | |
| **Online modification of configuration** *(1)* | | Yes | | |
| **Functional safety certification** | | – | | |
| **Approvals** | | UL 508, CSA 22.2-142, CE, FM Class 1 Div. 2, ATEX Zone 2/22 *(2)* | | |
| **Type of module** | | **140DAI34000** | **140DAI35300** | **140DAI45300** |
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*(1) For online modification of configuration, see page 2/37.*
*(2) Only Conformal Coating versions, depending on model, are ATEX Zone 2/22 certified. For more information, see pages 8/2 to 8/9.*



| 16-channel discrete input module | | 32-channel discrete input module | 16-channel discrete input module | 32-channel discrete input module |
|---|---|---|---|---|
|  |  |  |  |  |
| 115 V ∼ | | | 230 V ∼ | |
| 47...63 Hz | | | | |
| 16 | | 32 | 16 | 32 |
| 16 | 2 | 4 | 16 | 4 |
| 1 | 8 | | 1 | 8 |
| No common point | By group | | No common point | By group |
| 1 input word | | 2 input words | 1 input word | 2 input words |
| 180 mA | | 250 mA | 180 mA | 250 mA |
| 5.5 W | | 10.9 W | 5.5 W | 5 W |
| – | | | | |
| Depending on use | | | | |
| Yes | | | | |
| – | | | | |
| UL 508, CSA 22.2-142, cUL, FM Class 1 Div. 2, CE, ATEX Zone 2/22 *(2)* | | | | |
| **140DAI54000** | **140DAI54300** | **140DAI55300** | **140DAI74000** | **140DAI75300** |
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