

# Modicon® Quantum™ automation platform

Treatment for severe environments  
“Conformal Coating” discrete I/O modules

“Conformal Coating” discrete input modules						
Voltage	Modularity	Description	Logic	Safety	Reference	Weight kg
5 V $\overline{\text{TTL}}$	32 inputs	4 groups of 8 inputs	Negative	–	140DDI15310C	0.450
24 V $\overline{\text{DC}}$	32 inputs	4 groups of 8 inputs	Positive	Non interfering (1)	140DDI35300C	0.300
			Negative	–	140DDI35310C	0.300
	96 inputs	6 groups of 16 inputs	Positive	–	140DDI36400C	0.300
	32 inputs	4 groups of 8 inputs	Positive	–	140DSI35300C	0.300
10...60 V $\overline{\text{DC}}$	16 inputs	8 groups of 2 inputs	Positive	–	140DDI84100C	0.300
	32 inputs	4 groups of 8 inputs	Positive	–	140DDI85300C	0.295
125 V $\overline{\text{DC}}$	24 inputs	3 groups of 8 inputs	Positive	–	140DDI67300C	0.300
24 V $\sim$	16 inputs	No common point	–	–	140DAI34000C	0.300
	32 inputs	4 groups of 8 inputs	–	–	140DAI35300C	0.340
48 V $\sim$	16 inputs	No common point	–	–	140DAI44000C	0.300
	32 inputs	4 groups of 8 inputs	–	–	140DAI45300C	0.300
115 V $\sim$	16 inputs	No common point	–	–	140DAI54000C	0.310
	16 inputs	2 groups of 8 inputs	–	–	140DAI54300C	0.300
	32 inputs	4 groups of 8 inputs	–	–	140DAI55300C	0.330
230 V $\sim$	16 inputs	No common point	–	–	140DAI74000C	0.350
	32 inputs	4 groups of 8 inputs	–	–	140DAI75300C	0.300

“Conformal Coating” discrete output modules						
Voltage		Description	Logic	Safety	Reference	Weight kg
5 V $\overline{\text{TTL}}$	32 outputs	4 groups of 8 outputs	Negative	–	140DDO15310C	0.450
24 V $\overline{\text{DC}}$	32 outputs	4 groups of 8 outputs	Positive	Non interfering (1)	140DDO35300C	0.450
			Positive (2)	–	140DDO35301C	0.450
			Negative	–	140DDO35310C	0.450
	96 outputs	6 groups of 16 outputs	Positive	–	140DDO36400C	0.450
10...30 V $\overline{\text{DC}}$	32 outputs	4 groups of 8 outputs	Positive	–	140DVO85300C	0.300
10...60 V $\overline{\text{DC}}$	16 outputs	2 groups of 8 outputs	Positive	–	140DDO84300C	0.450
24...125 V $\overline{\text{DC}}$	12 outputs	2 groups of 6 outputs	Positive	–	140DDO88500C	0.450
Relay 20...250 V $\sim$ 5...150 V $\overline{\text{DC}}$	16 outputs	No common point	1 “NO” contact	–	140DRA84000C	0.410
	8 outputs	No common point	2 “NC” and “NO” contacts	–	140DRC83000C	0.300
24...48 V $\sim$	16 outputs	4 groups of 4 outputs	–	–	140DAO84220C	0.450
24...115 V $\sim$	16 outputs	No common point	–	–	140DAO84010C	0.485
24...230 V $\sim$	16 outputs	No common point	–	–	140DAO84000C	0.485
	32 outputs	4 groups of 8 outputs	–	–	140DAO85300C	0.450
100...230 V $\sim$	16 outputs	4 groups of 4 outputs	–	–	140DAO84210C	0.450

(1) Version  $\geq 1$ .

(2) Outputs protected against short-circuits and overloads by thermal monitoring.