



### Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete output module
Discrete output number	32

### Complementary

Group of channels	4 groups of 8
Discrete output logic	Negative logic (sink)
Addressing requirement	2 input words 2 output words
Discrete output voltage	10...30 V DC
Absolute maximum output	50 V for 1 s decaying pulse
Voltage drop	0.4 V 0.5 A
Maximum load current	<= 0.5 A each point <= 16 A per module <= 4 A each group
Surge current	<= 2.5 A for 1 ms
Response time	<= 2 ms at state 0 to state 1 <= 2 ms at state 1 to state 0 1 ms at state 0 to state 1 1 ms at state 1 to state 0
Short-circuit protection	With
Output overvoltage protection	With
Load inductance	$\text{Inductance(H)} = 0.5 / ((\text{current(A)})^2 \times (\text{switching frequency(Hz)}))$ 0.5...4 Hz
Tungsten load	2.5 W 10 V 3 W 12 V 6 W 24 V
Fault indication	Loss of field power Incorrect output state Blown fuse
Protection type	Internal output protection by 5 A fuse per group

140DVO85300C

Power dissipation	2.5 W + (0.1 x all points on) + (0.4 x total load current)
Marking	CE
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 32 LEDs green input status
Bus current requirement	500 mA
Module format	Standard
Product weight	0.3 kg

## Environment

Protective treatment	Conformal coating Humiseal 1A33
Product certifications	C-Tick FM Class 1 Division 2 GOST RMRS
Standards	UL 508 CSA C22.2 No 142
Resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

## Offer Sustainability

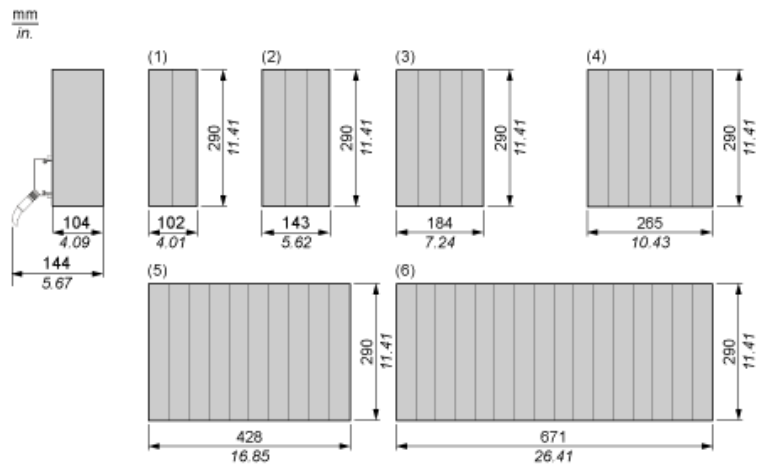
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0932 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">End of life manual</a>
Product end of life instructions	Available

## Contractual warranty

Warranty period	18 months
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Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

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10...30 Vdc Verified Output 32-point Module

Wiring Diagram

