

Product Datasheet

Characteristic

140ERT85420

multifunction input module Modicon
Quantum - 32 I - IRIG-B - DCF77



Main

range of product	Modicon Quantum automation platform
product or component type	Multifunction input module
number of terminals	<= 40

Complementary

function of module	Status logging counting 500 Hz Status monitoring on discrete inputs Time and date stamped event logging
time synchronisation protocol	DCF77 IRIG-B
product compatibility	Unity Pro V5.0 - without IRIG-B or TXSNTP100 function Unity Pro V7.0 Unity Pro V4.1 - without IRIG-B or TXSNTP100 function Unity Pro V6.0 - without IRIG-B or TXSNTP100 function
group of channels	2 groups of 16 inputs process input
discrete input number	1 discrete input(s) at 24 V clock signal input 32 discrete input(s) at 24...125 V process input
switching voltage	125 V at 1 mA for process input 24 V at 6 mA for process input 48 V at 2.5 mA process input 60 V at 2.5 mA process input
power consumption in W	<= 7.5 W for process input
insulation	By optocoupler clock signal input
insulation between group of channels	By optocoupler
anti bounce filtering	Configurable from 0 to 255 ms
input state	Inversion configurable
acquisition time	1 ms clock signal input
input current	5 mA for clock signal input
electrical connection	
connections - terminals	Screw terminal block
local signalling	1 LED green communication on the bus (Active) 1 LED green self test OK, module ready (R) 1 LED red fault (F) 32 LEDs status of inputs (1 to 32)

current consumption	300 mA at 5 V DC bus 20 mA at 24...125 V DC external power supply per group of channel
module format	Standard
product weight	0.99 lb(US) (0.45 kg)

Environment

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	9.14 V/yd (10 V/m) at 80...2000 MHz conforming to IEC 801-3
ambient air temperature for operation	32...140 °F (0...60 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
relative humidity	95 % without condensation
operating altitude	<= 16404.2 ft (5000 m)
protective treatment	TC
standards	HazLoc UL 508
product certifications	CSA Class 1 Division 2 C-Tick GOST LR UL Merchant Navy

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1208 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available