

140ERT85420

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

Product availability : Stock - Normally stocked in distribution facility

Price* : 2300.00 USD



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 for process input 60 V at 2.5 mA for 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	Shielded cable cable 600 m for process input

	Unshielded cable cable 400 m for process input
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

Ordering and shipping details

Category	18155 - QUANTUM I/O & POWER SUPPLIES
Discount Schedule	PC21
GTIN	00785901491170
Nbr. of units in pkg.	1
Package weight(Lbs)	0.9500000000000007
Returnability	N
Country of origin	FR

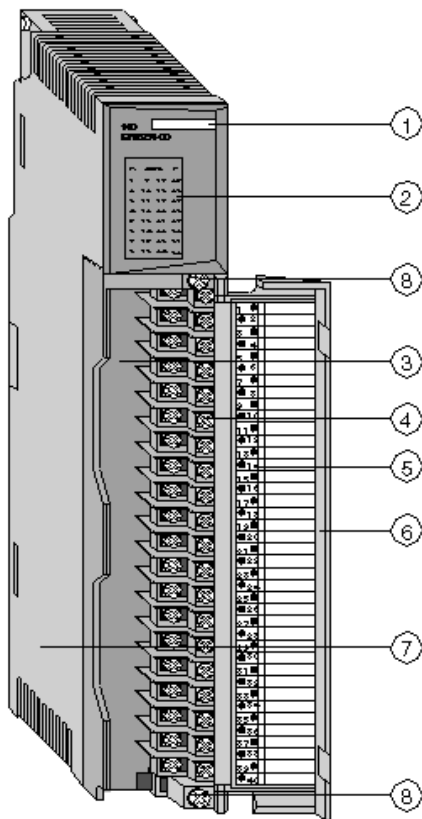
Offer Sustainability

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

Contractual warranty

Warranty period	18 months
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Presentation

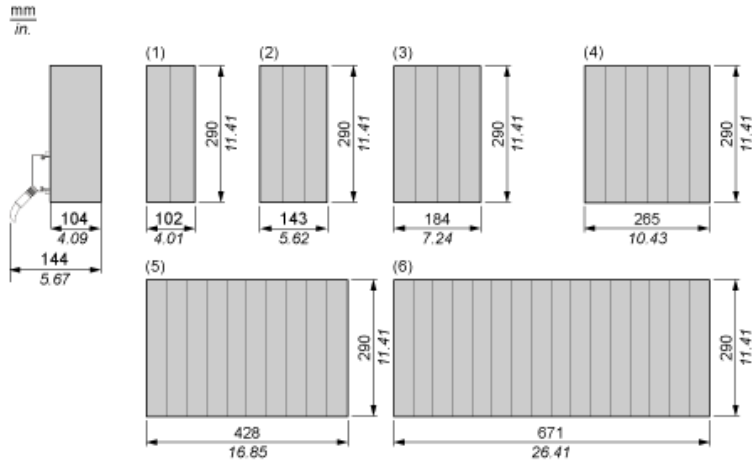


Location of Operating Elements

- 1 Color Code
- 2 Display field (LEDs)
- 3 Terminal Block
- 4 Connection terminals
- 5 Sliding Label (inside)
- 6 Cover for the terminal blocks
- 7 Standard housing
- 8 Screws for terminal block

Racks for Modules Mounting

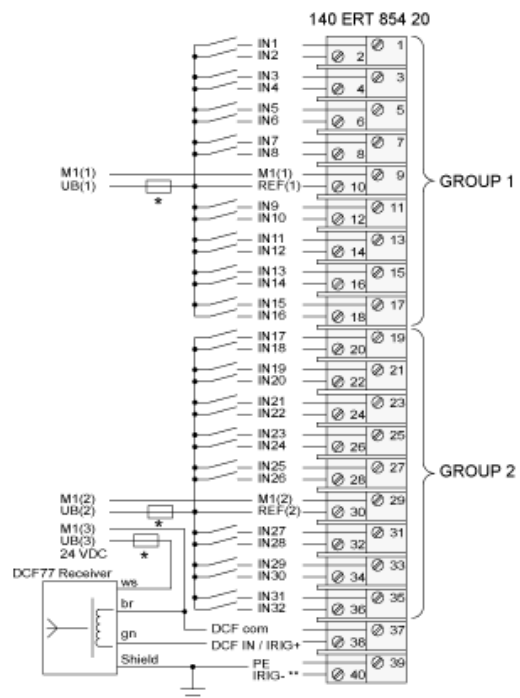
Dimensions of Modules and Racks



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

Multifunction Input Module

Connecting the DCF77E Time Receiver

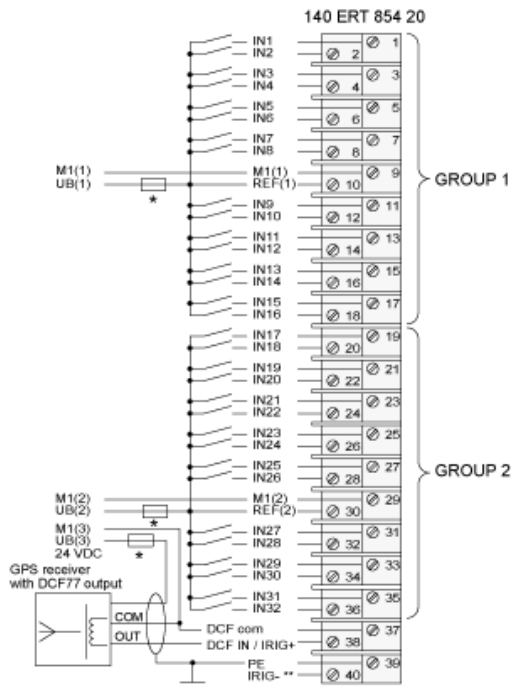


M1(1), M1(2), M1(3) : 0 VDC

UB(1), UB(2):24...125 VDC, UB(3): 24 VDC separate protection recommended

** not connected

Connecting the DCF77 of GPS Time Receiver

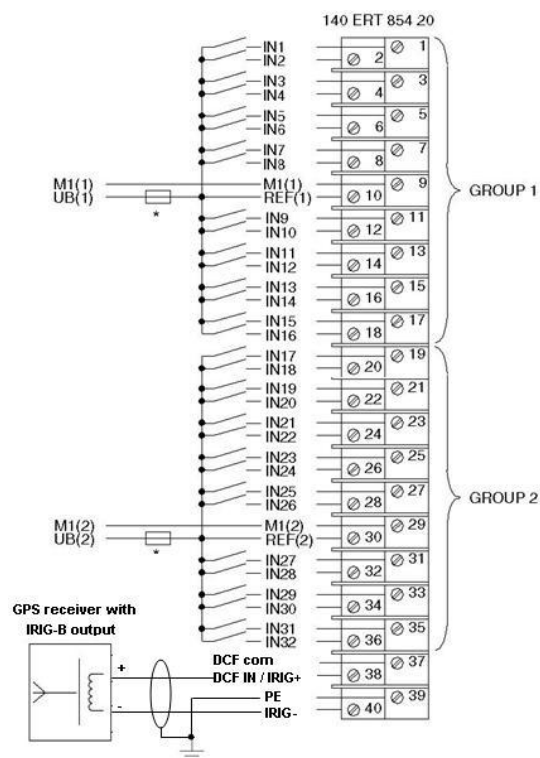


M1(1), M1(2), M1(3) : 0 VDC

UB(1), UB(2):24...125 VDC, UB(3): 24 VDC separate protection recommended

** not connected

Connecting the IRIG-B of GPS Time Receiver



M1(1), M1(2) : 0 VDC

UB(1), UB(2):24...125 VDC separate protection recommended

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