Product data sheet
Characteristics

STBDDI3725
basic digital input module STB - 24 V DC - 16 I

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 300.00 USD

Main

Commercial Status	Commercialised
Range of product	Modicon STB distributed I/O solution
Product or component type	Basic digital input module
Discrete input number	16
Discrete input voltage	24 V
Discrete input voltage type	DC

Complementary

Input voltage limits	-3...5 V at state 0 11...30 V at state 1
Permissible voltage	30 V
Discrete input current	4.5 mA
Input current limits	<= 1.5 mA at state 0 >= 2 mA at state 1
Discrete input logic	Positive
Response time	2 ms on-to-off 2 ms off-to-on
Protection type	Power protection integrated fuse on PDM time lag 5 A Input protection resistor-limited Reverse polarity protection
Insulation between channels and logic bus	1500 V for 1 minute
Cold swapping	Yes
Hot swapping fallback	Yes for basic NIMs
Product compatibility	I/O base STBXBA3000 Power distribution module STBPDT3100/3105
[Us] rated supply voltage	24 V DC
Supply	Power distribution module
Current consumption	100 mA 5 V DC logic bus
Marking	CE
Overvoltage category	II
Status LED	1 LED per channel green channel status (IN1 to IN16) 1 LED green module status (RDY)
Depth	2.56 in (65.1 mm)
Height	0.72 in (18.4 mm)
Width	4.92 in (125 mm)
Product weight	0.19 lb(US) (0.086 kg)

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Environment

Standards	EN/IEC 61131-2 type 3
Product certifications	CSA FM Class 1 Division 2 UL
Pollution degree	2 IEC 60664-1
Operating altitude	<= 6561.68 ft (2000 m)
IP degree of protection	IP20 EN 61131-2 class 1
Ambient air temperature for operation	-13...158 °F (-25...70 °C) without derating
Ambient air temperature for operation	32...140 °F without
Ambient air temperature for storage	-40...185 °F (-40...85 °C) without
Ambient air temperature for storage	-40...185 °F without
Relative humidity	95 % 140 °F (60 °C) without condensation
Vibration resistance	5 gn 58...150 Hz 35 x 15 mm symmetrical DIN rail 3 gn 58...150 Hz 35 x 7.5 mm symmetrical DIN rail +/-0.35 mm 10...58 Hz
Shock resistance	30 gn 11 ms IEC 88 reference 2-27

Ordering and shipping details

Category	18215 - ADVANTYS STB I/O
Discount Schedule	PC32
GTIN	00785901631514
Nbr. of units in pkg.	1
Package weight(Lbs)	0.21
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	ID

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0811 - Schneider Electric declaration of conformity
REACh	Reference contains SVHC above the threshold - go to CaP for more details
Product environmental profile	Available Download Product Environmental

Contractual warranty

Period	18 months