

BASE-MSTB/D37M/16CH/EX - Base module



1065476

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16-channel VIP I/O marshalling base element with 37-pos. D-SUB connector for universal use. Plug-in field and supply terminals available as accessories. With Push-in connection technology. For either Ex i or non-Ex.

Product description

16-channel VIP I/O marshalling base element with 37-pos. D-SUB connector for universal use. Plug-in field and supply terminals available as accessories. On the field side, four terminal points are available per channel (nA, nB, nC, nD). The plugged function modules can be supplied via two voltage supply buses (P1 and P2). With Push-in connection technology. For either Ex i or non-Ex.

Commercial data

Item number	1065476
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DK115A
Product key	DK115A
GTIN	4055626727929
Weight per piece (including packing)	635,4 g
Weight per piece (excluding packing)	635,4 g
Customs tariff number	85366990
Country of origin	US

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Technical data

Product properties

Product family	VIP I/O-Marshalling
No. of channels	16

Insulation characteristics

Overvoltage category	II, III
Pollution degree	2

Electrical properties

Max. operating voltage $U_{\max}$	30 V DC (P2 and field terminals)
	230 V AC (P2 and field terminals)
	30 V DC (P1 terminals)
	30 V DC (D-SUB)
Max. permissible current	15 A (P1 or P2 terminals)
Max. permissible total current	15 A (per module)
Max. current carrying capacity per branch	3 A (field signal)
	1 A (control contacts)

Connection data

Field level

Connection in acc. with standard	IEC / EN
Connection method	pluggable
Number of connections	4
Number of positions	16

Controller level

Connection method	D-SUB pin strip
Number of connections	1
Number of positions	37

Ex data

Safety data

Input voltage U_i	30 V (per channel)
Input current I_i	1 A (per channel)
Inductance L_i	0 mH
Capacitance C_i	0 μ F
Safety-related maximum voltage U_m	253 V AC

Signaling

Status display	no
Status display present	no

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Dimensions

Item dimensions

Width	199 mm
Height	142.3 mm
Depth	78 mm

Material specifications

Color	gray (RAL 7042)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	< 2000 m
Permissible humidity (operation)	0 % ... 95 % (non-condensing)

Approvals

ATEX

Identification	Ⓔ II 3G Ex ec IIC T4 Gc
Certificate	CSANe 22ATEX1005X

IECEX

Identification	Ex ec IIC T4 Gc
Certificate	IECEX CSA 22.0004X

UKEX

Identification	Ⓔ II 3G Ex ec IIC T4 Gc
Certificate	CSAE 22UKEX1040X

CSA, USA/Canada

Identification	Class I, Div. 2 Groups A, B, C, D T4 Class I, Zone 2, AEx ec IIC T4 Gc Ex ec IIC T4 Gc
Certificate	CSA 22CA80084549X

Mounting

Mounting type	DIN rail mounting
Mounting position	As desired on 35 mm DIN rail in acc. with EN 60715

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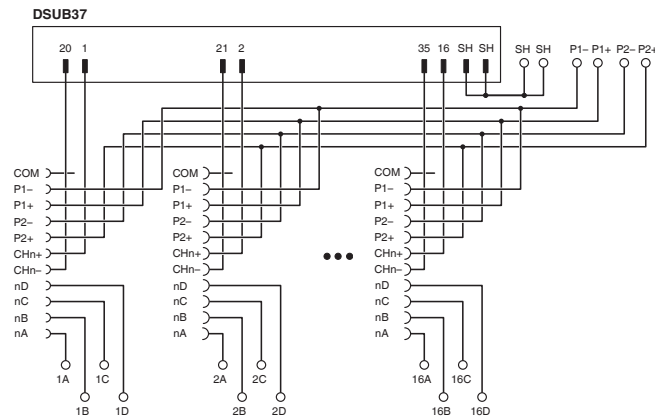
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Drawings

Circuit diagram



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Approvals

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IECEx

Approval ID: IECEx CSA 22.0004X



ATEX

Approval ID: CSANe 22ATEX1005X



CSA

Approval ID: 80084549



CSAus

Approval ID: 80084549



UKCA-EX

Approval ID: CSAE 22UKEX1040X

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Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	b3c42d23-56fb-4954-a88b-68297148a637