



中国国家强制性产品认证证书



证书编号: 2021322316004295

认证委托人名称: Eaton Electric Limited
认证委托人地址: Tay House, 300 Bath Street, Glasgow, G2 4NA, United Kingdom
生产者名称: Eaton Electric Limited
生产者地址: Tay House, 300 Bath Street, Glasgow, G2 4NA, United Kingdom
生产企业名称: Eaton Electric Limited
生产企业地址: Great Marlings Butterfield Luton Bedfordshire LU2 8DL
United Kingdom

产品名称: MTL SUM5 通用隔离栅
系列、规格、型号: MTL SUM5
标准: GB/T 3836.1-2021、GB/T 3836.3-2021、GB/T 3836.8-2021

认证模式: 型式试验+初始工厂检查+获证后监督

上述产品符合 CNCA-C23-01:2019 《强制性产品认证实施规则 防爆电气》的要求, 特发此证。
产品相关信息详见附件。

发证日期: 2023 年 04 月 11 日

有效期至: 2026 年 11 月 09 日

首次发证日期: 2021 年 11 月 10 日

证书有效期内本证书的有效性依据发证机构的定期监督获得保持。

本证书的相关信息可通过国家认监委网站 www.cnca.gov.cn 查询



批准:



上海仪器仪表自控系统检验测试所有限公司



中国国家强制性产品认证证书



证书编号: 2021322316004295

附 件

产品名称: MTL SUM5 通用隔离栅

型号规格: MTL SUM5 通用隔离栅包含以下组件:

MTL4-BSIS Terminal base IS
MTL4-BSGP Terminal base GP
MTL4-ADIO Analogue/digital interface module
MTL4-DMA Diagnostics and Alarm module
MTL4-DMR Diagnostic and Alarm/Relay module
MTL4-SD Plug-in Surge Module
MTL4-ZS16 16ch universal IS carrier, screw terminals
MTL4-ZSHUIO 16ch universal IS carrier, system connector

防爆标志: Ex ec nC IIC T4 Gc

电气参数: Carrier Input & Output Parameters - MTL4-ZS16
Power Supply Input POWER V1, V2, 0V, 0V (CON27), Terminals 1 to 4
Maximum Rated Supply Voltage = 30V
The power supply input terminals POWER V1, V2, 0V & 0V pins 1 to 4 are designed to operate from a d.c.
supply voltage of 20 to 30Vd.c. supplied from either safety extra low-voltage (SELV) or protective extra low voltage
circuits; for example, equipment complying with the requirements of either the IEC 60950 series, IEC 61010-1 or a technically equivalent standard.

批 准:



上海仪器仪表自控系统检验测试所有限公司



中国国家强制性产品认证证书



证书编号: 2021322316004295

附 件

Group Alarm Connections ALARM 1A & 1B and ALARM 2A & 2B (CON28), Terminals 1 to 4

Maximum Rated Voltage per alarm = 32V

Maximum Rated Current per alarm = 250mA

Channel Alarm Connections on MTL4-DMR 34-way header, Channels 1-16 (CON6)

Maximum Rated Voltage per channel = 32V

Maximum Rated Current per channel = 250mA

Isolator DCS Connections, Terminals A, B & C of Slots 1 to 16 (CON18 to CON26)

Terminal No.	DCS Connection Description	Terminal No.	DCS Connection Description
A1	VOUT Isolator Slot 1	A9	VOUT Isolator Slot 9
B1	VIN Isolator Slot 1	B9	VIN Isolator Slot 9
C1	0V Isolator Slot 1	C9	0V Isolator Slot 9
A2	VOUT Isolator Slot 2	A10	VOUT Isolator Slot 10
B2	VIN Isolator Slot 2	B10	VIN Isolator Slot 10
C2	0V Isolator Slot 2	C10	0V Isolator Slot 10
A3	VOUT Isolator Slot 3	A11	VOUT Isolator Slot 11
B3	VIN Isolator Slot 3	B11	VIN Isolator Slot 11
C3	0V Isolator Slot 3	C11	0V Isolator Slot 11
A4	VOUT Isolator Slot 4	A12	VOUT Isolator Slot 12
B4	VIN Isolator Slot 4	B12	VIN Isolator Slot 12
C4	0V Isolator Slot 4	C12	0V Isolator Slot 12
A5	VOUT Isolator Slot 5	A13	VOUT Isolator Slot 13
B5	VIN Isolator Slot 5	B13	VIN Isolator Slot 13
C5	0V Isolator Slot 5	C13	0V Isolator Slot 13

批 准:



上海仪器仪表自控系统检验测试所有限公司



中国国家强制性产品认证证书



证书编号: 2021322316004295

附 件

A6	VOUT Isolator Slot 6	A14	VOUT Isolator Slot 14
B6	VIN Isolator Slot 6	B14	VIN Isolator Slot 14
C6	0V Isolator Slot 6	C14	0V Isolator Slot 14
A7	VOUT Isolator Slot 7	A15	VOUT Isolator Slot 15
B7	VIN Isolator Slot 7	B15	VIN Isolator Slot 15
C7	0V Isolator Slot 7	C15	0V Isolator Slot 15
A8	VOUT Isolator Slot 8	A16	VOUT Isolator Slot 16
B8	VIN Isolator Slot 8	B16	VIN Isolator Slot 16
C8	0V Isolator Slot 8	C16	0V Isolator Slot 16

Terminal Parameters (all positions):

Maximum Rated Voltage = 32V

Maximum Rated Current = 300mA

Carrier Input & Output Parameters - MTL4-ZSHUIO

Power Supply Input POWER V1, V2, 0V, 0V (CON20), Terminals 1 to 4

Maximum Rated Supply Voltage = 30V

The power supply input terminals POWER V1, V2, 0V & 0V, pins 1 to 4 are designed to operate from a d.c. supply voltage of 20 to 30Vd.c. supplied from either safety extra low-voltage (SELV) or protective extra low voltage circuits; for example, equipment complying with the requirements of either the IEC 60950 series, IEC 61010-1 or a technically equivalent standard.

Group Alarm Connections ALARM 1A & 1B and ALARM 2A & 2B (CON28), Terminals 1 to 4

Maximum Rated Voltage per alarm = 32V

Maximum Rated Current per alarm = 250mA

Channel Alarm Connections on MTL4-DMR 34-way header, Channels 1-16 (CON6)

Maximum Rated Voltage per channel = 32V

Maximum Rated Current per channel = 250mA

Isolator DCS Connections, VIN & 0V, Slots 1-16 (CON18)

批 准:



上海仪器仪表自控系统检验测试所有限公司



中国国家强制性产品认证证书



证书编号: 2021322316004295

附 件

Terminal No.	DCS Connection Description	Terminal No.	DCS Connection Description
1	VIN Isolator Slot 1	20	0V Isolator Slot 1
2	VIN Isolator Slot 2	21	0V Isolator Slot 2
3	VIN Isolator Slot 3	22	0V Isolator Slot 3
4	VIN Isolator Slot 4	23	0V Isolator Slot 4
5	VIN Isolator Slot 5	24	0V Isolator Slot 5
6	VIN Isolator Slot 6	25	0V Isolator Slot 6
7	VIN Isolator Slot 7	26	0V Isolator Slot 7
8	VIN Isolator Slot 8	27	0V Isolator Slot 8
9	VIN Isolator Slot 9	28	0V Isolator Slot 9
10	VIN Isolator Slot 10	29	0V Isolator Slot 10
11	VIN Isolator Slot 11	30	0V Isolator Slot 11
12	VIN Isolator Slot 12	31	0V Isolator Slot 12
13	VIN Isolator Slot 13	32	0V Isolator Slot 13
14	VIN Isolator Slot 14	33	0V Isolator Slot 14
15	VIN Isolator Slot 15	34	0V Isolator Slot 15
16	VIN Isolator Slot 16	35	0V Isolator Slot 16
17	Unused	36	Unused
18	Unused	37	Unused
19	Unused		

Terminal Parameters (all isolator slots above):

Maximum Rated Voltage = 32V

Maximum Rated Current = 300mA

Isolator Input & Output Parameters -

Hazardous Area Terminals - MTL4-BSIS IS Module Base & MTL4-ADIO Interface Module

If the hazardous area terminals are being connected to certified intrinsically safe equipment located in either Zone 0 & Zone 1 hazardous area, the maximum values for the intrinsically safe circuits and associated load parameters have to be taken from

批 准:



上海仪器仪表自控系统检验测试所有限公司



中国国家强制性产品认证证书



证书编号: 2021322316004295

附 件

IECEX Certificate No. IECEX BAS 19.0018X.

The following I/O parameters are for the connection of certified Zone 2 mounted equipment:

Hazardous Area Terminals 4 w.r.t. 3, 4 w.r.t 2, 2 w.r.t 3, 1 w.r.t. 2, and 2 & 4 w.r.t 3:

Maximum Rated Voltage = 32V

Maximum Rated Current = 300mA

Ratings are irrespective of Isolator and Base configuration (Analogue or Digital, O/P or I/P, IS Power Jumper

Link fitted or not fitted).

Hazardous Area Terminals - MTL4-BSGP General Purpose Module Base & MTL4-ADIO Interface Module

(Zone 2 Connection only)

The following I/O parameters are for the connection of certified Zone 2 mounted equipment:

Hazardous Area Terminals 4 w.r.t. 3, 4 w.r.t 2, 2 w.r.t 3, 1 w.r.t. 2, and 2 & 4 w.r.t 3:

Maximum Rated Voltage = 32V

Maximum Rated Current = 300mA

Ratings are irrespective of Isolator and Base configuration (Analogue or Digital, O/P or I/P)

相关报告编号: 2021S17402-005808, 2022S17402-008559

批 准:



上海仪器仪表自控系统检验测试所有限公司



中国国家强制性产品认证证书



证书编号: 2021322316004295

附 件

使用条件:

特殊(限制)使用条件:

1. 产品应安装在污染等级至少为 2 级且外壳防护等级至少为 IP54 的防爆外壳内。
2. 该产品的使用环境温度范围为现场安装时箱体内的环境温度范围。
3. MTL4-SD 模块无法承受 500V 耐电压测试, 现场安装时应施加适当的保护措施。
4. 产品各模块之间严禁带电断开或在危险场所断开。
5. 产品使用环境温度范围: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$ 。

批 准:



上海仪器仪表自控系统检验测试所有限公司