



Certificate of Compliance

Certificate: 70043605 **Master Contract:** 264780
Project: 70043605 **Date Issued:** January 7, 2016
Issued to: DEOS control systems GmbH
 Birkenallee 76
 Rheine, Nordrhein-Westfalen 48432
 Germany
 Attention: Henrik Plüth

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Ying Wang
Issued by: Ying Wang, P. Eng.

PRODUCTS

CLASS 4812 85 - SIGNAL APPLIANCES - Signaling Systems - Certified to US Standards
CLASS 4812 05 - SIGNAL APPLIANCES - Systems

OPEN Controller	PCB	Additional PCB
DS-OPEN 500 EMS	9912000068 + 9912000016 + 9912000019 +	9912000063
DS-OPEN 500H EMS	9912000068 + 9912000016 + 9912000019 +	9912000062
DS-OPEN 600 EMS	9912000068 + 9912000016 + 9912000019 +	9912000063
DS-OPEN 600H EMS	9912000068 + 9912000016 + 9912000019 +	9912000062
DS-OPEN 710 EMS	9912000058 + 9912000057 + 9912000024	
DS-OPEN 710 EMS+DALI	9912000058 + 9912000057 + 9912000024+	9912000061
DS-OPEN 710 EMS+M-BUS	9912000058 + 9912000057 + 9912000024+	9912000069
DS-OPEN 810 EMS	9912000058 + 9912000057 + 9912000024	



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DS-OPEN 810 EMS+DALI 9912000058 + 9912000057 + 9912000024+ 9912000061

DS-OPEN 810 EMS+M-BUS 9912000058 + 9912000057 + 9912000024+ 9912000069

OPEN I/O Module (Used with the controllers above)

DS-C-DI16 9912000012 + 9912000005 + 9912000007

DS-C-DI8DO8T 9912000012 + 9912000005 + 9912000021

DS-C-DO8T 9912000012 + 9912000002 + 9912000006

DS-C-DO8TH 9912000012 + 9912000001 + 9912000006

DS-C-AI8 9912000012 + 9912000002 + 9912000010

DS-C-AI8AO4 9912000012 + 9912000002 + 9912000009

DS-C-AI8AO4H 9912000012 + 9912000003 + 9912000009

DS-C-AO4 9912000012 + 9912000002 + 9912000011

DS-C-AO4H 9912000012 + 9912000003 + 9912000011

DS-MT-R 9912000047

DS-PKM 9912000031

OPEN I/O Module Accessories (Used together with the controllers above)

DS-BBS 1

DS-WH



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OPEN Controller and I/O modules rated 24VDC (19V to 30V), 1.75amp max with combination of one of module from each group, analog input 0-10V, 100kOhm to AGND, analog output, 0-10V 8mA each, digital input 24VDC, 5kOhm, digital output 24VDC, 80mA each, ambient 0~50 °C.

NOTE:

- The above models are certified as controller components with input and output signals which may be installed inside CSA certified/proved enclosure. The suitability and combination will subject to evaluation of CSA Group.
- The above controllers are supplied by a certified/approved class 2 energy limited power supply or circuit which is outside the scope this certification/evaluation.
- The above controllers are evaluated as general purpose energy management equipment, no safety functions is considered.
- The above controllers, I/O modules and accessories are sourcing from one power supply only.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 205-12 - Signal Equipment

UL916.3rd Ed - Energy Management Equipment