File
LR1346

CERTIFICATE OF COMPLIANCE
(ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	MTS Sensor Technologie GmbH & Co KG
Address	Auf Dem Schüffel 9, Lüdenscheid Germany, D-58513
Project Number	LR1346-4
Product	Linear Position Sensors
Model Number	GTEabc1e-EX, GTEabc3e-EX, GTEabc4e-EX and GTEabc5e-EX
Ratings/Markings	See Annex below
Applicable Standards	CSA C22.2 No. 60079-0:2015 CSA C22.2 No. 60079-15:2016 CSA C22.2 No. 60079-31:2015 CSA C22.2 No 61010-1:2012 (R2015) CSA C22.2 No 213-17 ANSI/UL 61010-1 (2012, R2015) ANSI/UL 60079-0 (2013) ANSI/UL 60079-15 (2013) ANSI/UL 60079-31:2015 ANSI/UL 2225 (2013) ANSI/ISA 12.12.01 -2017
Factory/Manufacturing Location	MTS Sensor Technologie GmbH & Co KG Auf Dem Schüffel 9, Lüdenscheid, Germany, D-58513 MTS System Corp. – Sensors Division 3001 Sheldon Drive, Cary, NC 27513 USA

Statement of Compliance: The product(s) identified in this Certificate and described in the Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standard(s). As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.

CERTIFIED
ELECTRICAL SAFETY

Issued By: Dave Adams, P.Eng.
Manager, Hazardous Locations [Ex Equipment] Department

Signature:

Date: September 18, 2018

ANNEX:

Model (Supply)	Canada	US
GTEabc1e-EX (DC 24V +20-15%)	Class I/II/III Div 2 T4 ABCDFG Ex nA IIC T4 Gc Ex tc IIIC T130°C Dc -20°C ≤Ta≤75°C	Class I/II/III Div 2 T4 ABCDFG Class I, Zone 2, AEx nA IIC T4 Class II/III, Zone 22, AEx tc IIIC T130°C -20°C ≤Ta≤75°C
GTEabc3e-EX (DC 13.0…17.0V)	Class I/II/III Div 2 T4 ABCDFG Ex nA IIC T4 Gc Ex tc IIIC T130°C Dc -20°C ≤Ta≤85°C	Class I/II/III Div 2 T4 ABCDFG Class I Zone 2, AEx nA IIC T4 Class II/III, Zone 22, AEx tc IIIC T130°C -20°C ≤Ta≤85°C
GTEabc4e-EX (24VDC +20%/-15%)	Class I/II/III Div 2 T4 ABCDFG Ex nA IIC T4 Gc Ex tc IIIC T130°C Dc -20°C ≤Ta≤85°C	Class I/II/III Div 2 T4 ABCDFG Class I Zone 2 AEx nA IIC T4 Class II/III, Zone 22, AEx tc IIIC T130°C -20°C ≤Ta≤85°C
GTEabc5e-EX 13.0…28.8VDC)	Class I/II/III Div 2 T4 ABCDFG Ex nA IIC T4 Gc Ex tc IIIC T130°C Dc -20°C ≤Ta≤85°C	Class I/II/III Div 2 T4 ABCDFG Class I Zone 2, AEx nA IIC T4 Class II/III, Zone 22, AEx tc IIIC T130°C -20°C ≤Ta≤85°C

Each model has its own designated ambient range and dust temperature limitation (see table).

The sensors are supplied with a rated voltage of 24 (-15%, +20%) VDC and a maximum current of 105 mA and have a permanently connected cable and gland arrangement.

The equipment is intended for permanent field installation.

Model nomenclature below:

GT Configurator
GTEabcde-EX

a = stroke length in mm (if b = M) or 0.1 inches (if b = U) (4 digits)
b = unit: M = metric, U = US commercial (1 digit)
c = connection type (3 digits)
    Bxx = integral cable, pigtail termination (530162, xx = cable length in m (if b = M) or feet (if b = U)
d = power supply (1 digit)
    1 = 24 Vdc +20 % / -15 % (Tamb max. 75 °C)
    3 = 13.0 to 17.0 Vdc (Tamb max. 85 °C)
    4 = 24 Vdc +20 % / -15 % (Tamb max. 85 °C)
    5 = 13.0 to 28.8 Vdc (Tamb max. 85 °C)
e = output (2 digits)
    V0 = 0 to +10 V
    V1 = +10 to 0 V
    V2 = -10 to +10 V
    V3 = +10 to -10 V
    A0 = 4 to 20 mA
    A1 = 20 to 4 mA
    A2 = 0 to 20 mA
    A3 = 20 to 0 mA