

TN2026:

GfG FIXED SYSTEMS INSTRUMENT APPROVALS

Instrument	Main Label	Secondary Label	Approval
EC28 family		DEKRA	<p>Marking: Ⓢ II 2G ⒸⒺ 0158</p> <p>Type of ignition protection: Ex emb [ib] IIC T4 -20°C≤Ta≤+50°C</p> <p>EC Type-Examination Certificate: BVS 04 ATEX E 132 X</p> <p>Electromagnetic Compatibility (EMC): Compliant with DIN EN 50270 Disturbance emission: type 1 Interference immunity: type 2</p>
CC28 family		DEKRA	<p>Labelling: II 2G C 0158</p> <p>Ignition protection classification: Ex demb [ib] IIC T4 -20°C≤Ta≤+50°C</p> <p>EC-Type Examination Certification: BVS 04 ATEX E 132 X (electrical Ex-Protection)</p> <p>Function test: BVS 05 ATEX G 001 X (measuring function)</p> <p>EMC test: EN 50270</p> <p>Radio shielding: Type class I</p> <p>Interference resistance: Type class II</p>
IR29 e family		DEKRA	<p>Ⓢ II 1G Ex ia IIC T4 Ga</p> <p>I M1 Ex ia, I Ma</p> <p>Ⓢ II 2G Ex eb mb ib [ib] IIC T4 Gb</p>
IR29 i family		DEKRA	<p>Certification: Ⓢ II 1G 0158</p> <p>Ignition protection class: Ex ia IIC T4 Ga -20 °C≤ Ta ≤+55 °C</p> <p>EC Type Examination Certificate: BVS 09 ATEX E 135 X</p> <p>Electrical parameters for the intrinsically safe connection</p> <p>Intrinsically safe supply circuit: Connection via terminals X1 and X2</p> <p>Maximum input voltage: Ui DC 30 V</p> <p>Maximum internal capacity: Ci 11 nF</p> <p>Maximum internal inductance: Li negligible</p> <p>Intrinsically safe signal circuit: Connection via terminals X3 and X4</p> <p>Maximum input voltage: Ui DC 30 V</p> <p>Maximum internal capacity: Ci 1.8 nF</p> <p>Maximum internal inductance: Li negligible</p>
CC33 family		DEKRA	<p>Ignition Protection Classification: Ⓢ II 2G Ex db IIC T6 Gb -20°C≤Ta≤+55°C (without Buzzer)</p> <p>Ⓢ II 2G Ex db ib IIC T4 Gb -20°C≤Ta≤+55°C (with Buzzer)</p> <p>Ⓢ II 2G Ex db ib IIC T6 Gb -20°C≤Ta≤+40°C (with Buzzer)</p> <p>Electromagnetic Compatibility: DIN EN 50270:2015 Interference emission: Type class I Interference immunity: Type class II</p>
CC33 family		CSA	<p>CSA: c-CSA-us</p> <p>CAN/CSA C22.2 No. 61010-1-12, UPD1: 2015, UPD2: 2016, AMD1: 2018</p> <p>UL 61010-1, 3rd edition (2012), AMD1: 2018</p>
GMA 200 family		DEKRA	<p>Electromagnetic Compatibility: EN 50270:2015 (interference emission: type class I, interference immunity: type class II)</p> <p>Electrical safety: EN 61010-1:2010 (Pollution degree 2, overvoltage category III for relay contacts)</p> <p>Functional safety: EN 50402:2017; IEC 61508-1 to -7:2010 (SIL2/SC3)</p> <p>Functional safety: EN 50271:2018; EN 62061:2016; ISO 13849-1:2015</p> <p>Metrological suitability: EN 60079-29-1:2016 (EX); EN 50104:2019 (OX); EN 45544-1/-2/-3:2015 (TOX)</p>
SB1		DEKRA	<p>Certification: Ⓢ II(1)G 0158</p> <p>Ignition protection class: [Ex ia Ga] IIC -20 °C≤Ta≤+55 °C</p> <p>EC Type Examination Certificate: BVS 11 ATEX E 164</p>
GMA 40 family		DEKRA	<p>Protection: DIN 40050 - IP -20</p> <p>Protective separation: by safety transformer</p> <p>GMA44 EC, GMA44 ECB type: BV EI 306 2064 PRI 230V / SEC 18 V 50 - 60HZ</p> <p>Protective insulation: as per EN 61010 up to over voltage category III and soiling degree 2</p>
RC 2		DEKRA	<p>Electromagnetic compatibility: DIN EN 50270:2006 Type class I and Type class 2</p> <p>Labeling and Ignition protection: Ⓢ II 2G Ex ia IIC T4 Gb -20°C≤Ta≤+50°C</p> <p>EC-Type Examination Certificate: BVS 04 ATEX E 212</p> <p>Production monitoring: ⒸⒺ 0158 (by notified body – DEKRA EXAM GmbH)</p>
ZD 22		DEKRA	<p>Electromagnetic compatibility: DIN EN 50270:2006 Interference: Type class I Immunity: Type class II</p>
CS 22		DEKRA	<p>Electromagnetic compatibility: DIN EN 50270:2006 Interference emission: Type class I Interference resistance: Type class II</p>
IR22 family		CSA	<p>CSA: c-CSA-us</p> <p>CAN/CSA-C22.2 No. 61010-1-12 + Amd 1 - 18</p> <p>UL 61010-1 (2012)</p>
GMA200-MT family		CSA	<p>CSA: c-CSA-us</p> <p>CAN/CSA-C22.2 No. 61010-1-12 + Amd 1 - 18</p> <p>UL 61010-1</p>
CI21	CSA		<p>CSA: c-CSA-us</p> <p>CSA C22.2 No. 205-M1983</p> <p>UL: UL 916</p>
ZD21	CSA		<p>CAN/CSA-C22.2 No. 61010-1-12 + Amd 1 - 18</p> <p>UL 61010-1 (2012)</p>
D-ReX family & Py-ReX	CE		<p>Electromagnetic compatibility: EN 50270:2015</p> <p>EN 301489-1 V2.2.3 (2019-11)</p> <p>EN 301489-17 V3.2.4 (2020-04)</p> <p>FCC §15B</p> <p>Radio: EN 300 328, Bluetooth LE</p> <p>FCC Part 15.247, Bluetooth LE</p> <p>Electrical safety: EN 61010-1 (Pollution degree 2)</p> <p>Enclosure protection class: EN 60529 (up to IP64)</p>



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