



HMI & Remote PC Terminals for industrial and hazardous areas – Ex Zone 1 / 2 / 21 / 22

GECMA Components GmbH, Postfach 4146, D-50155 Kerpen





TECHNICAL DATASHEET

CHALLENGER

Remote PC Terminal for hazardous areas - zone 1/2 (Gas), -22* (Dust)

Pointing devices

The CHALLENGER POINTING DEVICES represent the modern form of local operation in the production plant. All components for operation and visualisation are made intrinsically safe and certified world-wide. In this way configuration according to the specific conditions of the production plant is made possible.

Article Code	Product Description	Technical Description
C-E-Mi 	MOUSE module for hazardous areas zone 1/2/22* <ul style="list-style-type: none"> - Industrial mouse with 2 keys as intrinsically safe module - Left and right click buttons - 4-step pressure-sensitive mouse guidance - Operating temperature range -10°C to +60°C - Extendable to -30°C to +60°C - Panel mount design 	<ul style="list-style-type: none"> - Ingress protection IP 66/NEMA 4X from front - ATEX: DMT 00 ATEX E 089 X, II 2G EEx ib IIC T4 - UL/cUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869, - UL/cUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI...certified
C-E-TBi-2 	TRACKBALL module for hazardous areas zone 1/2/22* <ul style="list-style-type: none"> - Intrinsically safe Trackball module - Left and right click buttons - Precise cursor control thanks to 55mm ball - Operating temperature range -10°C to +60°C - Extendable to -30°C to +60°C - Panel mount design 	<ul style="list-style-type: none"> - Ingress protection IP 65 from front - ATEX: DMT 00 ATEX E 089 X, II 2G EEx ib IIC T4 - UL/cUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869, - UL/cUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI...certified
C-E-Ji-2 	JOYSTICK module for hazardous areas zone 1/2/22* <ul style="list-style-type: none"> - Intrinsically safe Joystick module with 2 pushbuttons - High precision mouse guidance - Wear-free up to 15 million actuations - Extremely low-maintenance - Operating temperature range -10°C to +60°C - Extendable to -30°C to +60°C - Panel mount design 	<ul style="list-style-type: none"> - Ingress protection IP 66/NEMA 4X from front - ATEX: TUEV 04 ATEX 2459, II 2G EEx ib IIC T4 - UL/cUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869, - UL/cUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI...certified
C-E-TPi-2 	TOUCHPAD module for hazardous areas zone 1/2 /22* <ul style="list-style-type: none"> - Intrinsically safe Touchpad module with 2 pushbuttons - Special resistive foil - High resolution, up to 200 DPI - Operating temperature range -10°C to +60°C - Extendable to -30°C to +60°C - Panel mount design 	<ul style="list-style-type: none"> - Ingress protection IP 66/NEMA 4X from front - ATEX: TUEV 04 ATEX 2458, II 2G EEx ia IIC T4 - UL/cUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869, - UL/cUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869 - GOST-R/GGTN, IECEx, TIIS, NEPSI...certified



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C-E-TBi-3



TRACKBALL module for hazardous areas zone 1/2/22*

- Intrinsically safe Trackball module
- 3 click buttons
- Precise cursor control thanks to 55mm ball
- Operating temperature range -10°C to +60°C
- Extendable to -30°C to +60°C
- Panel mount design
- Ingress protection IP 65 from front
- ATEX: DMT 00 ATEX E 089 X, II 2G EEx ib IIC T4
- UL/cUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869,
- UL/cUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869
- GOST-R/GGTN, IECEx, TIIS, NEPSI...certified

C-E-Ji-3



JOYSTICK module for hazardous areas zone 1/2/22*

- Intrinsically safe Joystick module with 3 pushbuttons
- High precision mouse guidance
- Wear-free up to 15 million actuations
- Extremely low-maintenance
- Operating temperature range -10°C to +60°C
- Extendable to -30°C to +60°C
- Panel mount design
- Ingress protection IP 66/NEMA 4X from front
- ATEX: TUEV 04 ATEX 2459, II 2G EEx ib IIC T4
- UL/cUL-listed: Class I, Zone 1, AEx ib IIC T4, Ex ib IIC T4, File E 232869,
- UL/cUL-listed: Class I, Div. 2, Groups A,B,C,D T4 File E 232869
- GOST-R/GGTN, IECEx, TIIS, NEPSI...certified

* If used together with for dust areas certified FHP enclosures

Technical data sheets are subject to modifications and amendments / No liability for misprints and errors.