



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)

Keyboards

The CHALLENGER keyboards - parts of our remote PC terminals - represent the modern form of local operation in the production plant. All CHALLENGER keyboards for operation are made intrinsically safe and certified nearly 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-KBi 	KEYBOARD for hazardous areas zone 1/2/22* <ul style="list-style-type: none"> - Keyboard as intrinsically safe module - Foil-protected short stroke keyboard - Resistant to many solvents - IBM compatible with 105 keys - Layout: English (QY) - Other languages and special layouts on request - 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: CTB No. POCC DE. ГБ04.В00777 1ExibIIC T4 - IECEx: IECEx BVS 05.0003, Ex ib IIC T4
C-E-KMUi 	KEYBOARD-MOUSE-UNIT (with integrated mouse module) for hazardous areas zone 1/2/22* <ul style="list-style-type: none"> - Keyboard with integrated mouse module as intrinsically safe module - Foil-protected short stroke keyboard - Resistant to many solvents - IBM compatible with 105 keys - Layout: English (QY) - Other languages and special layouts on request - 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: CTB No. POCC DE. ГБ04.В00777 1ExibIIC T4 - IECEx: IECEx BVS 05.0003, Ex ib IIC T4

*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.