

**TKG-083-MODUL-SILVER**



**Features and benefits:**

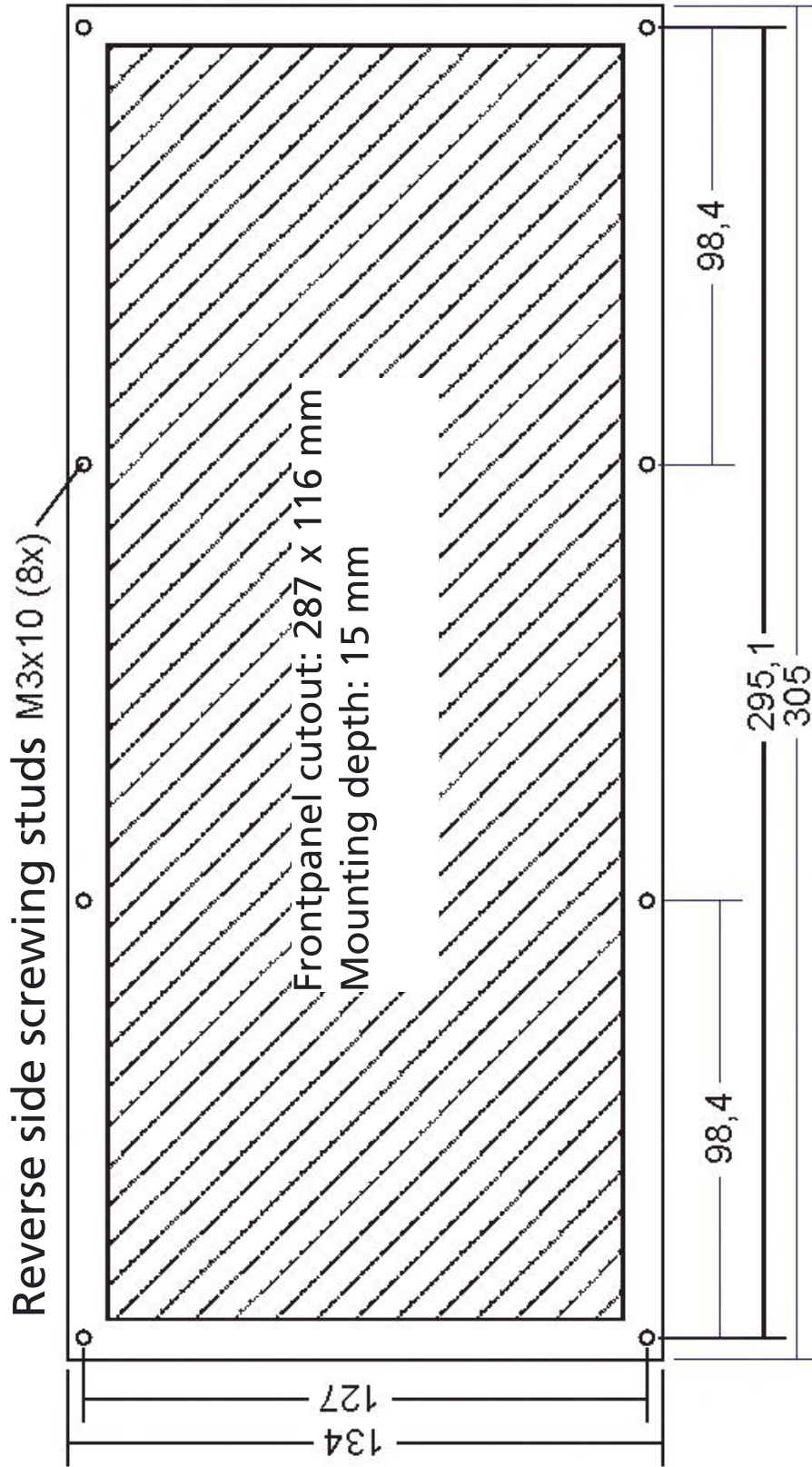
- Carbon-on-gold switching elements
- Positive tactile feedback
- PS/2 and USB compatible
- Panel-mount version
- Special Dura-coating on keys for excellent mechanical and chemical resistance
- Ergonomic design
- IP65 sealing, water and dust proof
- 10 million operations per key
- Semi- or full customisation available
- Activation force 1.2 N / key travel 1.2 mm
- Low cost alternative for stainless steel keyboards

**Specification**

Number of Keys:	83
Keyswitch Technology:	carbon-on-gold contact
Actuation Force/-Travel:	1.2 N / 2 mm
Keyswitch Lifetime:	10 mil. operations
Protection Level:	IP65; NEMA 4x
Mounting Type:	panel mount
Dimensions:	305 x 134 x 30 mm; 12" x 5.276" x 1.181"
Weight:	500 g
Operating Temperature:	-40 °C to 90 °C; -40 °F to +194 °F
Frontplate Material:	aluminium (anodized)

Cat.-No.	Product Name	
KG00201	TKG-083-MODUL-SILVER-PS/2-US	PS/2; US-Layout
KG00203	TKV-083-MODUL-SILVER-USB-US	USB; US-Layout
Other language versions/interfaces/configuration available on request		





Tolerances: DIN ISO 2768 T1-m

**TKG-083-TB38-MODUL-SILVER**



**Features and benefits:**

- Carbon-on-gold switching elements
- Positive tactile feedback
- PS/2 and USB compatible
- Panel-mount version
- Special Dura-coating on keys for excellent mechanical and chemical resistance
- Ergonomic design
- IP65 sealing, water and dust proof
- 10 million operations per key
- Semi- or full customisation available
- Activation force 1.2 N / key travel 1.2 mm
- Low cost alternative for stainless steel keyboards

**Specification Keyboard**

Number of Keys:	83
Keyswitch Technology:	carbon-on-gold contact
Actuation Force/-Travel:	1.2 N / 2 mm
Keyswitch Lifetime:	10 mil. operations
Protection Level:	IP65; NEMA 4x
Mounting Type:	panel mount
Dimensions:	405 x 134 x 45 mm 15.94" x 5.27" 1.77"
Weight:	650 g
Operating Temperature:	-40 °C to 90 °C; -40 °F to +194 °F
Frontplate Material:	aluminium (anodized)

**Specification Trackball**

Ball Diameter:	38 mm (1.5")
Actuation Force:	50 g
Trackball Lifetime:	> 6 mil. revolutions
Protection Level:	IP65 static, IP54 dynamic NEMA 3

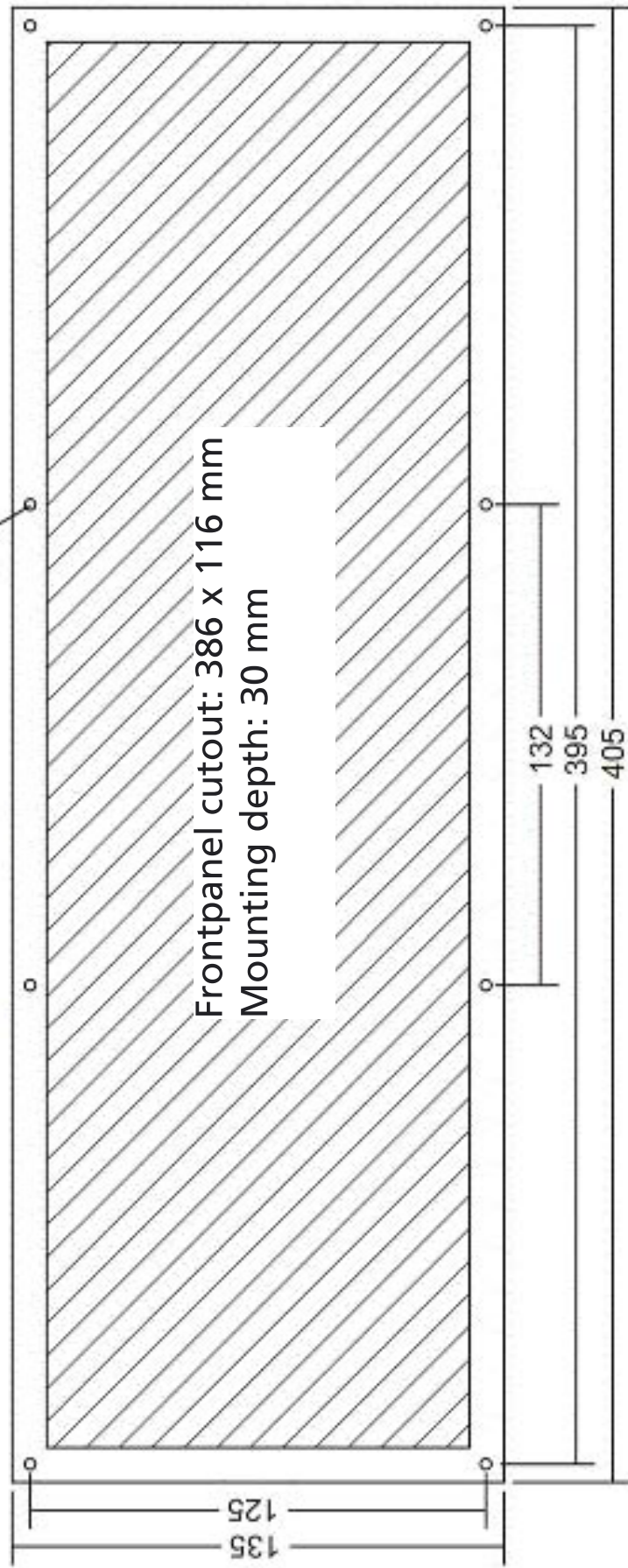
Cat.-No.	Product Name
KG00205	TKG-083-TB38-MODUL-SILVER PS/2; US-Layout
KG00207	TKG-083-TB38-MODUL-SILVER USB; US-Layout

Other language versions/interfaces/configuration available on request



Reverse side screwing studs M3x10 (8x)

Frontpanel cutout: 386 x 116 mm  
Mounting depth: 30 mm



Tolerances: DIN ISO 2768 T1-m

**TKG-083-TOUCH-MODUL-SILVER**



**Features and benefits:**

- Carbon-on-gold switching elements
- Positive tactile feedback
- PS/2 and USB compatible
- Panel-mount version
- Special Dura-coating on keys for excellent mechanical and chemical resistance
- Ergonomic design
- IP65 sealing, water and dust proof
- 10 million operations per key
- Semi- or full customisation available
- Activation force 1.2 N / key travel 1.2 mm
- Low cost alternative for stainless steel keyboards

**Specification Keyboard**

Number of Keys: 83  
 Keyswitch Technology: carbon-on-gold contact  
 Actuation Force/-Travel: 1.2 N / 2 mm  
 Keyswitch Lifetime: 10 mil. operations  
 Protection Level: IP65; NEMA 4x  
 Mounting Type: panel mount  
 Dimensions: 405 x 134 x 15 mm  
 15.94" x 5.27" x 0.59"  
 Weight: 550 g  
 Operating Temperature: -40 °C to 90 °C;  
 -40 °F to +194 °F  
 Frontplate Material: aluminium (anodized)

**Specification Touchpad**

Motion Detection  
 Method: capacitive  
 Active Area: 60 x 44 mm

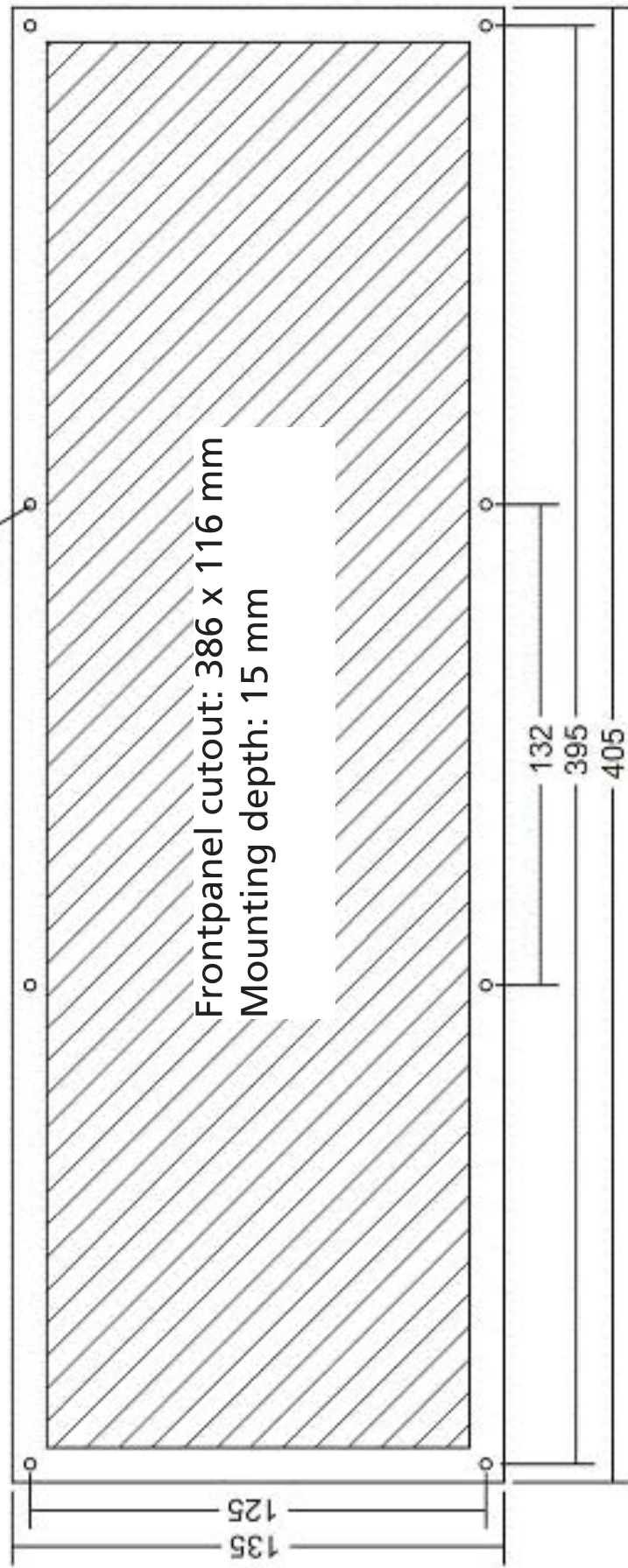
Cat.-No.	Product Name
KG00209	TKG-083-TOUCH-MODUL-SILVER PS/2; US-Layout
KG00211	TKG-083-TOUCH-MODUL-SILVER USB; US-Layout

Other language versions/interfaces/configuration available on request



Reverse side screwing studs M3x10 (8x)

Frontpanel cutout: 386 x 116 mm  
Mounting depth: 15 mm



Tolerances: DIN ISO 2768 T1-m

**TKG-083b-MODUL**



**Features and benefits:**

- Carbon-on-gold switching elements
- Positive tactile feedback
- PS/2 and USB compatible
- Panel-mount version
- Special Dura-coating on keys for excellent mechanical and chemical resistance
- Ergonomic design
- IP65 sealing, water and dust proof
- 10 million operations per key
- Semi- or full customisation available
- Activation force 1.2 N / key travel 1.2 mm

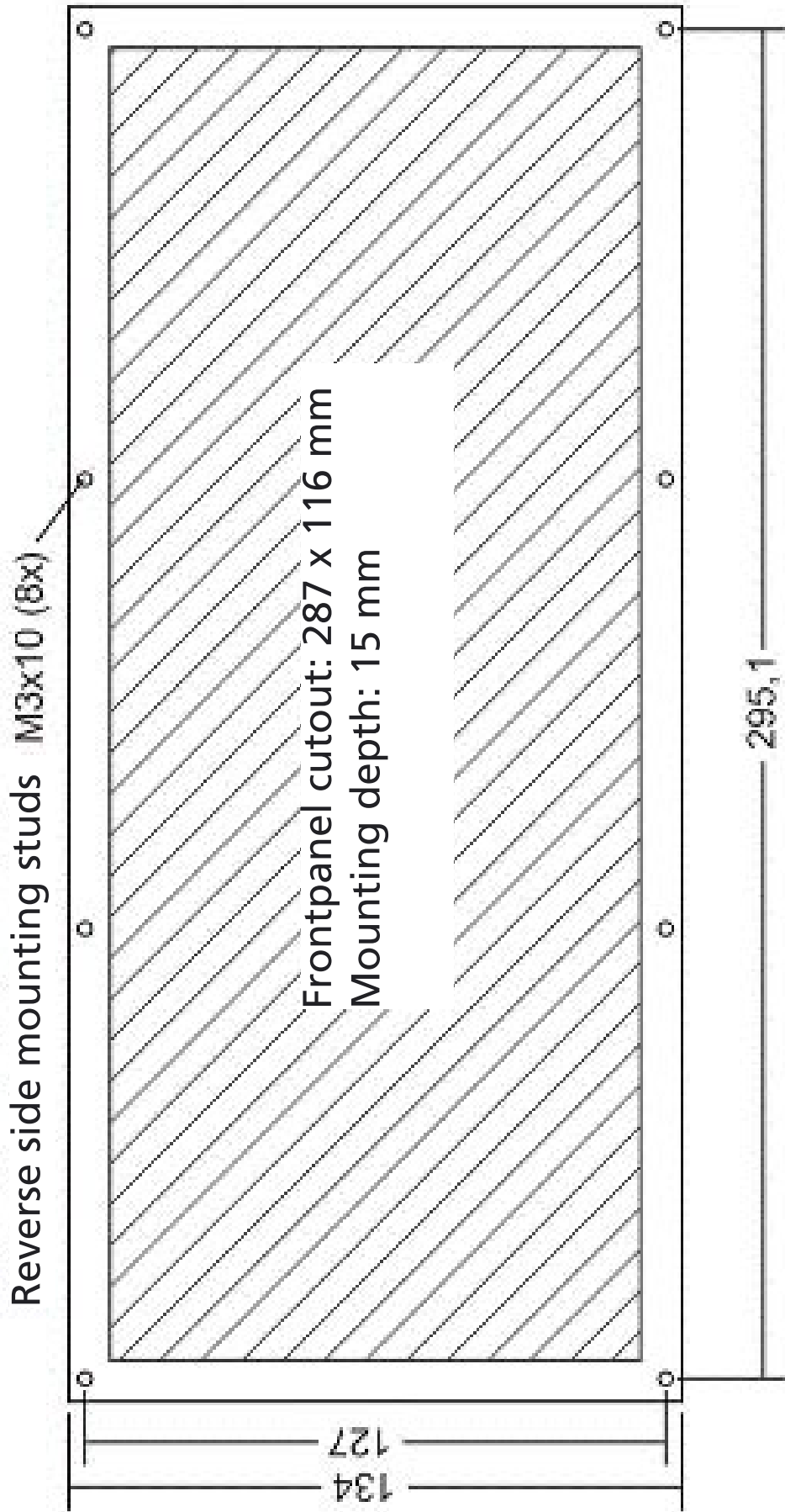
**Specification**

Number of Keys: 83  
 Keyswitch Technology: carbon-on-gold-contact  
 Actuation Force/Travel: 1.2 N / 1.2 mm  
 Keyswitch Lifetime: 10 mil. operations  
 Protection Level: IP65; NEMA 4x  
 Mounting Type: panel mount  
 Dimensions: 305 x 134 x 10 mm; 12" x 5.27" x 0.39"  
 Weight: 500 g  
 Operating Temperature: -40 °C to 90 °C; -40 °F to +194 °F  
 Front Material: aluminium

Cat.-No.	Product Name
KG14015	TKG-083b-MODUL-PS/2-US PS/2; US-Layout
KG14017	TKG-083b-MODUL-USB-US USB; US-Layout
Other language versions/interfaces/configuration available on request	



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Tolerances: DIN ISO 2768 T1-m



**TKG-083b-TB38-MODUL**



**Features and benefits:**

- Carbon-on-gold switching elements
- Positive tactile feedback
- Integrated 38 mm trackball
- PS/2 and USB compatible
- Panel-mount versions available
- Special Dura-coating on keys for excellent mechanical and chemical resistance
- Ergonomic design
- IP65 sealing, water and dust proof
- 10 million operations per key
- Silver version is a low cost alternative for stainless steel keyboards

**Specification**

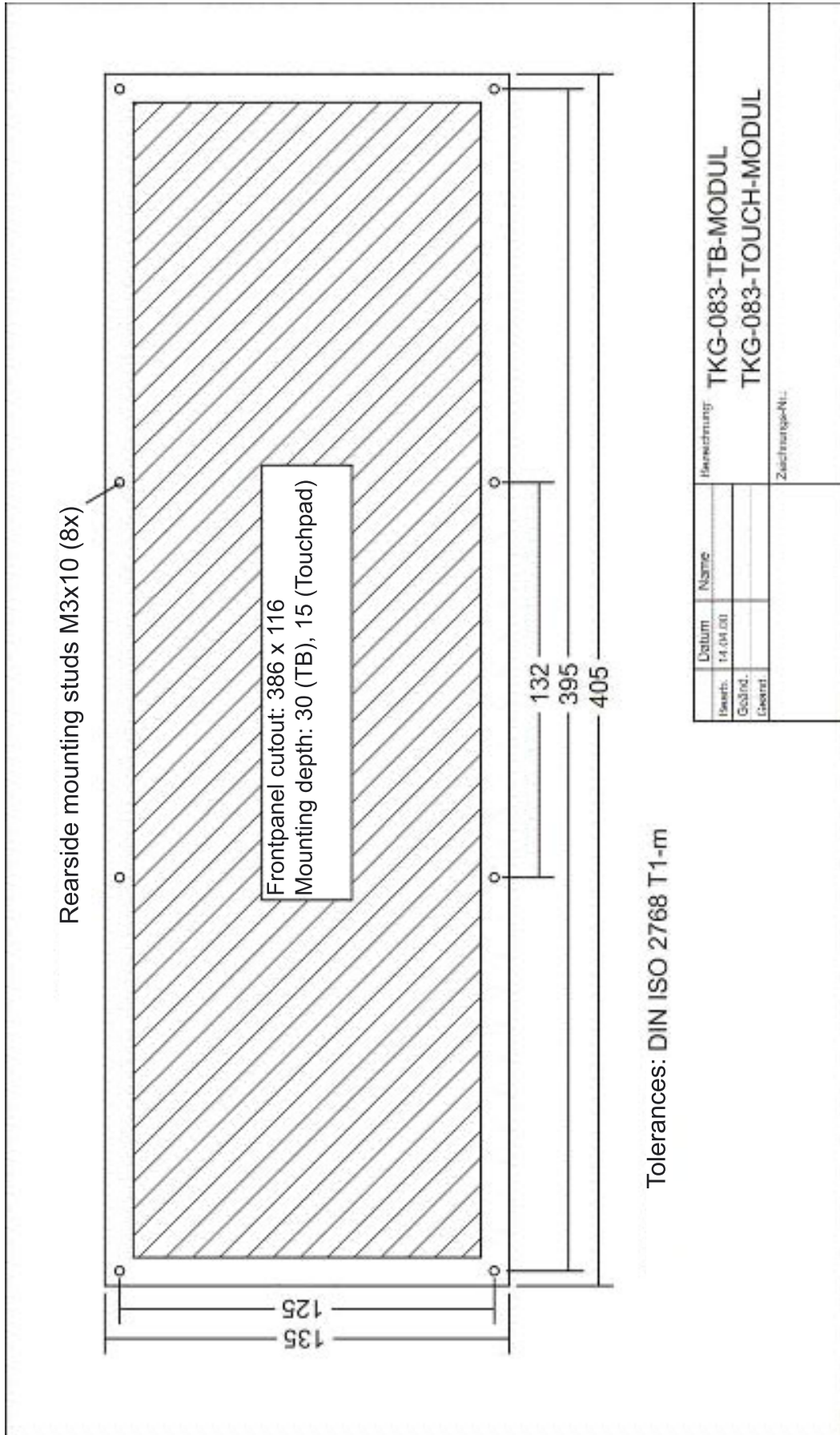
Number of Keys: 83  
 Keyswitch Technology: carbon-on-gold-contact  
 Actuation Force/Travel: 1.2 N / 1.2 mm  
 Keyswitch Lifetime: 10 mil. operations  
 Protection Level: IP65; NEMA 4x  
 Mounting Type: panel mount  
 Dimensions: 405 x 134 x 45 mm  
 15.94" x 5.00" x 1.77"  
 Weight: 650g  
 Operating Temperature: -40 °C to 90 °C  
 -40 °F to +194 °F  
 Front Material: aluminium

**Specification Trackball**

Ball Diameter: 38 mm; 1,5"  
 Actuation Force: 50 g  
 Protection Level: IP65;  
 NEMA 3  
 (frontside)

Cat.-No.	Product Name
KG14023	TKG-083b-TB38-MODUL-PS/2-US PS/2; US-Layout
KG14025	TKG-083b-TB38-MODUL-USB-US USB; US-Layout
Other language versions/interfaces/configuration available on request	





**TKG-083b-TOUCH-MODUL**



**Features and benefits:**

- Carbon-on-gold switching elements
- Positive tactile feedback
- Integrated touchpad
- PS/2 and USB compatible
- Panel-mount versions available
- Special Dura-coating on keys for excellent mechanical and chemical resistance
- Ergonomic design
- IP65 sealing, water and dust proof
- 10 million operations per key
- Silver version is a low cost alternative for stainless steel keyboards

**Specification**

Number of Keys: 83  
 Keyswitch Technology: carbon-on-gold-contact  
 Actuation Force/Travel: 1.2 N / 1.2 mm  
 Keyswitch Lifetime: 10 mil. operations  
 Protection Level: IP65; NEMA 4x  
 Mounting Type: panel mount  
 Dimensions: 405 x 134 x 15 mm  
 15.94" x 5.00" x 0.59"  
 Weight: 550 g  
 Operating Temperature: -40 °C to 90 °C  
 -40 °F to +194 °F  
 Front Material: aluminium

**Specification Touchpad**

Motion Detection  
 Method: capacitive  
 Resolution: 40 counts / mm

Cat.-No.	Product Name
KG14027	TKG-083b-TOUCH-MODUL-PS/2-US   PS/2; US-Layout
KG14029	TKG-083b-TOUCH-MODUL-USB-US   USB; US-Layout
Other language versions/interfaces/configuration available on request	



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**TKG-083b-TB38-MGEH**



**Features and benefits:**

- Carbon-on-gold switching elements
- Positive tactile feedback
- Integrated trackball
- PS/2 and USB compatible
- Desktop versions
- Special Dura-coating on keys for excellent mechanical and chemical resistance
- Ergonomic design
- IP65 sealing, water and dust proof
- Robust stainless steel enclosure
- VESA-mounting available on request

**Specification**

Number of Keys: 83  
 Keyswitch Technology: carbon-on-gold-contact  
 Actuation Force/Travel: 1.2 N / 1.2 mm  
 Keyswitch Lifetime: 10 mil. operations  
 Protection Level: IP65; NEMA 4x  
 Mounting Type: panel mount  
 Dimensions: 435 x 165 x 62 mm  
 17.12" x 6.5" x 2.44"  
 Weight: 2350 g  
 Operating Temperature: -40 °C to 90 °C  
 -40 °F to +194 °F  
 Enclosure Material: stainless steel

**Specification**

Ball Diameter: 38 mm; 1,5"  
 Actuation Force: 50 g  
 Protection Level: IP65 static;  
 IP54 dynamic;  
 NEMA3

Cat.-No.	Product Name	
KG14031	TKG-083b-TB38-MGEH-PS/2-US	PS/2; US-Layout
KG14033	TKG-083b-TB38-MGEH-USB-US	USB; US-Layout
Other language versions/interfaces/configuration available on request		



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**TKG-083b-TOUCH-MGEH**



**Features and benefits:**

- Carbon-on-gold switching elements
- Positive tactile feedback
- Integrated trackball
- PS/2 and USB compatible
- Desktop versions
- Special Dura-coating on keys for excellent mechanical and chemical resistance
- Ergonomic design
- IP65 sealing, water and dust proof
- Robust stainless steel enclosure
- VESA-mounting available on request

**Specification**

Number of Keys: 83  
 Keyswitch Technology: carbon-on-gold-contact  
 Actuation Force/Travel: 1.2 N / 1.2 mm  
 Keyswitch Lifetime: 10 mil. operations  
 Protection Level: IP65; NEMA 4x  
 Mounting Type: panel mount  
 Dimensions: 435 x 165 x 44 mm  
 7,125" x 6,49" x 1,73"  
 Weight: 2250 g  
 Operating Temperature: -40 °C to 90 °C  
 -40 °F to +194 °F  
 Enclosure Material: stainless steel

**Specification**

Motion Detection  
 Method: capacitive  
 Resolution: 40 counts / mm  
 Protection Level: IP65;  
 NEMA 4x  
 (frontside)

Cat.-No.	Product Name
KG14035	TKG-083b-TOUCH-MGEH-PS/2-US PS/2; US-Layout
KG14037	TKG-083b-TOUCH-MGEH-USB-US USB; US-Layout
Other language versions/interfaces/configuration available on request	

