

**TKS-105a-TOUCH-KGEH**



**Features and benefits:**

- Integrated capacitive touchpad
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Suitable for use 19 inch 1U drawer units
- Desktop version
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- Ergonomic design
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Activation force 2.6 N, key travel 0,4 mm

**Specification Keyboard**

Number of Keys: 105  
 Keyswitch Technology: short travel keys  
 Actuation Force/ -Travel: 2.6 N / 0.3 mm  
 Keyswitch Lifetime: 3 mil. operations  
 Protection Level: IP65, NEMA 4x  
 Mounting Type: desktop  
 Dimensions: 480 x 182 x 34 mm;  
 18.89" x 7.16" x 1.34"  
 Weight: 1600 g  
 Operating Temperature: -40 °C to +90 °C;  
 -40 °F to +194 °F  
 Enclosure Material: polystyrene

**Specification Touchpad**

Motion Detection  
 Method: capacitive  
 Resolution: 40 counts / mm

Cat.-No.	Product Name	
KS07216	TKS-105a-TOUCH-KGEH-PS/2-US	PS/2; US-Layout
KS09455	TKS-105a-TOUCH-KGEH-USB-US	USB; US-Layout

Other language versions/interfaces/configuration available on request



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**TKS-105a-TB38-KGEH**



**Features and benefits:**

- Integrated 38 mm Industrial Trackball
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Suitable for use 19 inch 1U drawer units
- Desktop version
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- Ergonomic design
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Activation force 2.6 N, key travel 0,4 mm

**Specification Keyboard**

Number of Keys: 105  
 Keyswitch Technology: short travel keys  
 Actuation Force/ -Travel: 2.6 N / 0.3 mm  
 Keyswitch Lifetime: 3 mil. operations  
 Protection Level: IP65, NEMA 4x  
 Mounting Type: desktop  
 Dimensions: 480 x 182 x 40 mm;  
 18.89" x 7.16 " x 1.57"  
 Weight: 1800 g  
 Operating Temperature: -40 °C to +90 °C;  
 -40 °F to +194 °F  
 Enclosure Material: polystyrene

**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	
KS08271	TKS-105a-TB38-KGEH-PS/2-US	PS/2; US-Layout
KS09453	TKS-105a-TB38-KGEH-USB-US	USB; US-Layout

Other language versions/interfaces/configuration available on request



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**TKS-105a-KGEH**



**Features and benefits:**

- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Suitable for use 19 inch 1U drawer units
- Desktop version
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- Ergonomic design
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Actuation force 2.6 N, key travel 0,4 mm
- Customisation available on request

**Specification**

Number of Keys:	105
Keyswitch Technology:	short travel keys
Actuation Force/ -Travel:	2.6 N / 0.3 mm
Keyswitch Lifetime:	3 mil. operations
Protection Level:	IP65, NEMA 4x
Mounting Type:	desktop
Dimensions:	480 x 182 x 34 mm; 18.89" x 7.16" x 1.34"
Weight:	1600 g
Operating Temperature:	-40 °C to +90 °C; -40 °F to +194 °F
Enclosure Material:	polystyrene

Cat.-No.	Product Name	
KS07211	TKS-105a-KGEH-PS/2-US	PS/2; US-Layout
KS09451	TKS-105a-KGEH-USB-US	USB; US-Layout
Other language versions/interfaces/configuration available on request		



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**TKS-105a-TB38-MGEH**



**Features and benefits:**

- MGEH-version with stainless steel enclosure
- Integrated 38 mm Industrial Trackball
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Suitable for use 19 inch 1U drawer units
- Desktop version
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- Ergonomic design
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key

**Specification Keyboard**

Number of Keys: 105  
 Keyswitch Technology: short travel keys  
 Actuation Force/ -Travel: 2.6 N / 0.3 mm  
 Keyswitch Lifetime: 3 mil. operations  
 Protection Level: IP65, NEMA 4x  
 Mounting Type: desktop  
 Dimensions: 505 x 198 x 45 mm  
 19.88" x 7.79" x 1.77"  
 Weight: 3000 g  
 Operating Temperature: -40 °C to +90 °C;  
 -40 °F to +194 °F  
 Enclosure Material: stainless steel

**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	
KS14018	TKS-105a-TB38-MGEH-PS/2-US	PS/2; US-Layout
KS14020	TKS-105a-TB38-MGEH-USB-US	USB; US-Layout
Other language versions/interfaces/configuration available on request		



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**TKS-105a-TB38-RF-KGEH**



**Features and benefits:**

- First cordless industrial keyboard with integrated trackball
- 2.4 GHz with a range of up to 10 meters
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- Integrated trackball
- USB compatible
- Desktop version
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- Ergonomic design
- > IP65 (NEMA 4x) sealing

**Specification Keyboard**

Number of keys:	105
Keyswitch Technology:	short travel keys
Actuation Force/ -Travel:	2.6 N / 0.3 mm
Keyswitch Lifetime:	3 mil operations
Protection Level:	IP65, NEMA 4x
Mounting Type:	desktop
Electronic Interface:	USB
Dimensions:	480 x 182 x 40 mm 18.89" x 7.16" x 1.57"
Weight:	1600 g
Operation Temperature:	-40 °C to +90 °C -40 °F to +194 °F
Enclosure Material:	polysterene

**Specification RF-interface**

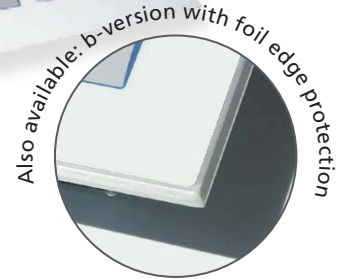
Transmission Range:	typ. 10 m
Frequency:	2.4 GHz
Electronic Interface:	USB

Cat.-No.	Product Name
KS14026	TKS-105a-TB38-RF-KGEH-USB-US
Other language versions/interfaces/configuration available on request	



USB; US-La  
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**TKS-105a-TOUCH-MODUL**



**Features and benefits:**

- Integrated capacitive touchpad
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Suitable for use 19 inch 1U drawer units
- Panel mount version with reverse side screwing studs
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Activation force 2.6 N, key travel 0,3 mm

**Specification Keyboard**

Number of Keys: 105  
 Keyswitch Technology: short travel keys  
 Actuation Force/ -Travel: 2.6 N / 0.3 mm  
 Keyswitch Lifetime: 3 mil. operations  
 Protection Level: IP65, NEMA 4x (frontside)  
 Mounting Type: panel mount  
 Dimensions: 482.6 x 177.8 x 23 mm  
 19" x 7" x 0.905"  
 Weight: 1500 g  
 Operating Temperature: -40 °C to +90 °C,  
 -40 °F to +194 °F  
 Front Panel Material: aluminium

**Specification Touchpad**

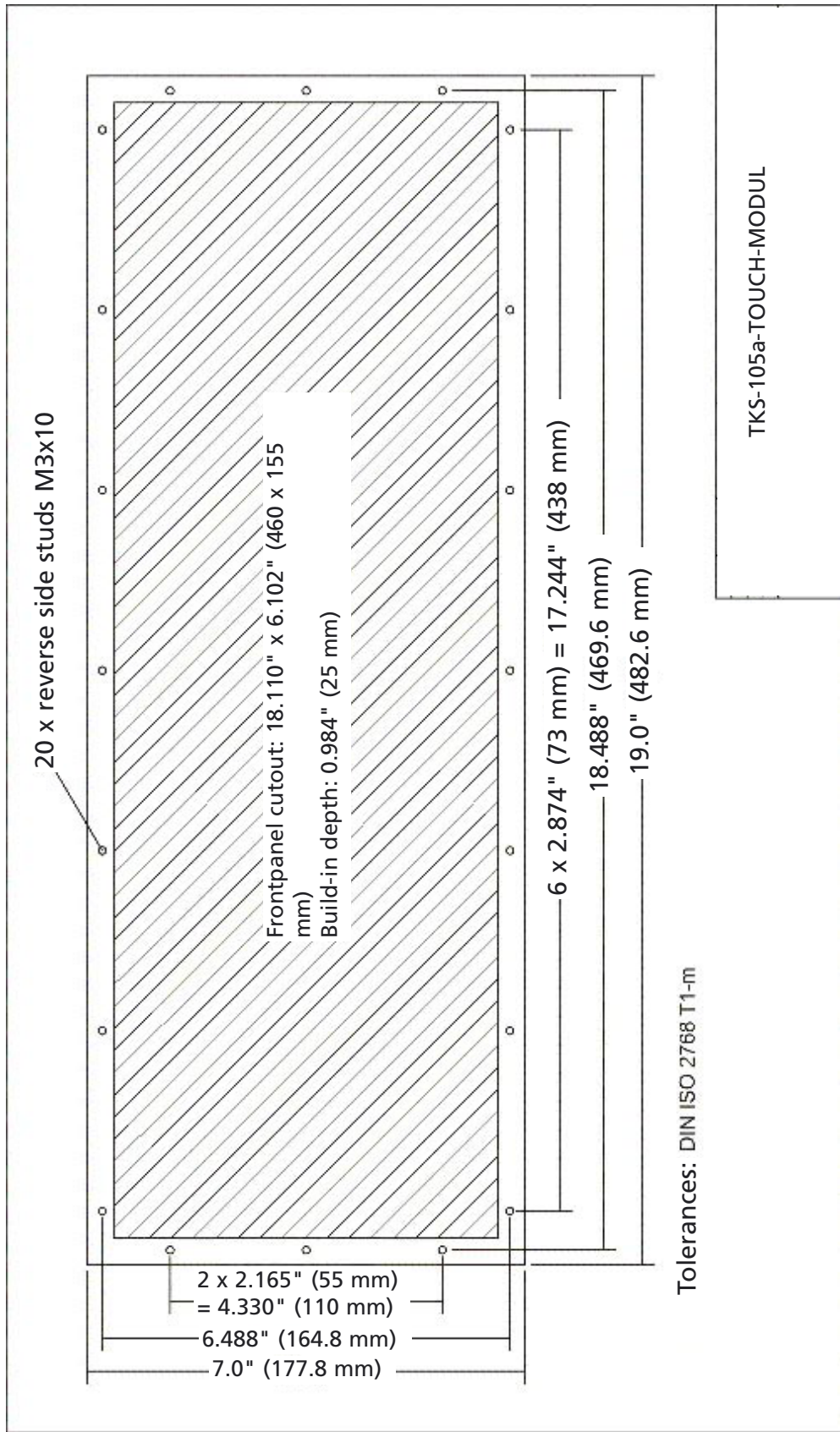
Motion Detection  
 Method: capacitive  
 Resolution: 40 counts / mm

Cat.-No.	Product Name	
KS07246	TKS-105a-TOUCH-MODUL-PS/2-US	PS/2; US-Layout
KS09502	TKS-105a-TOUCH-MODUL-USB-US	USB; US-Layout
KY02000	TKS-105a-MODUL-SCHABLONE	Template
Other language versions/interfaces/configuration available on request		

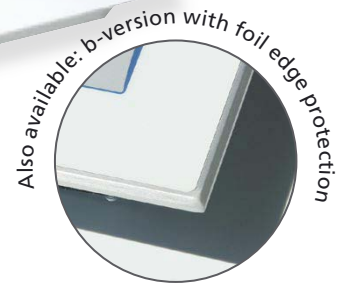


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**TKS-105a-TOUCH-MODUL**



**TKS-105a-TB38-MODUL**



**Features and benefits:**

- Integrated 38 mm industrial trackball
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Suitable for use 19 inch 1U drawer units
- Panel mount version with reverse side screwing studs
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Activation force 2.6 N, key travel 0,3 mm

**Specification Keyboard**

Number of Keys: 105  
 Keyswitch Technology: short travel keys  
 Actuation Force/ -Travel: 2.6 N / 0.3 mm  
 Keyswitch Lifetime: 3 mil. operations  
 Protection Level: IP65, NEMA 4x (frontside)  
 Mounting Type: panel mount  
 Dimensions: 482.6 x 177.8 x 54 mm, 19" x 7" x 2.125"  
 Weight: 1600 g  
 Operating Temperature: -40 °C to +90 °C, -40 °F to +194 °F  
 Front Panel Material: aluminium

**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 (frontside)

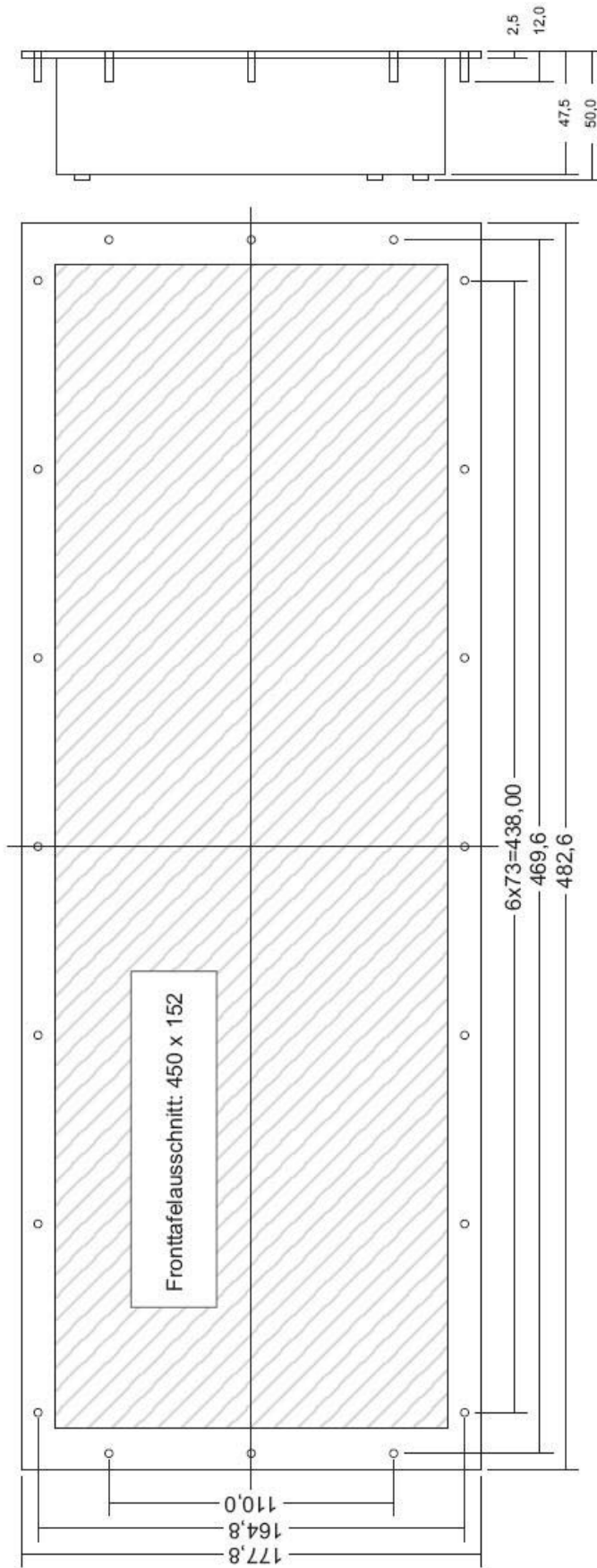
Cat.-No.	Product Name	
KS08308	TKS-105a-TB38-MODUL-PS/2-US	38 mm / 1,5" Trackb.; PS/2; US-La
KS09498	TKS-105a-TB38-MODUL-USB-US	38 mm / 1,5" Trackb.; USB; US-La
KY02000	TKS-105a-MODUL-SCHABLONE	Template
Other language versions/interfaces/configuration available on request		



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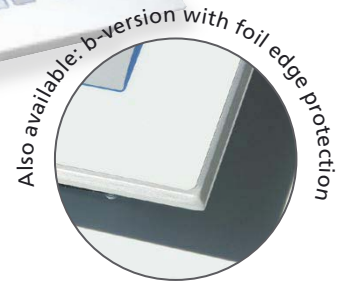


**TKS-105a-TB38-MODUL**



Toleranzen: DIN ISO 2768 T1-m  
Abmessungen in mm

**TKS-105a-TB50oF80-MODUL**



**Features and benefits:**

- Integrated 50 mm optical IP68 trackball
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Suitable for use 19 inch 1U drawer units
- Panel mount version with reverse side screwing studs
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Activation force 2.6 N, key travel 0,3 mm

**Specification Keyboard**

Number of Keys: 105  
 Keyswitch Technology: short travel keys  
 Actuation Force/ -Travel: 2.6 N / 0.3 mm  
 Keyswitch Lifetime: 3 mil. operations  
 Protection Level: IP65, NEMA 4x (frontside)  
 Mounting Type: panel mount  
 Dimensions: 482.6 x 177.8 x 53 mm  
 19" x 7" x 2.086"  
 Weight: 1900 g  
 Operating Temperature: -40 °C to +90 °C,  
 -40 °F to +194 °F  
 Front Panel Material: aluminium

**Specification Trackball**

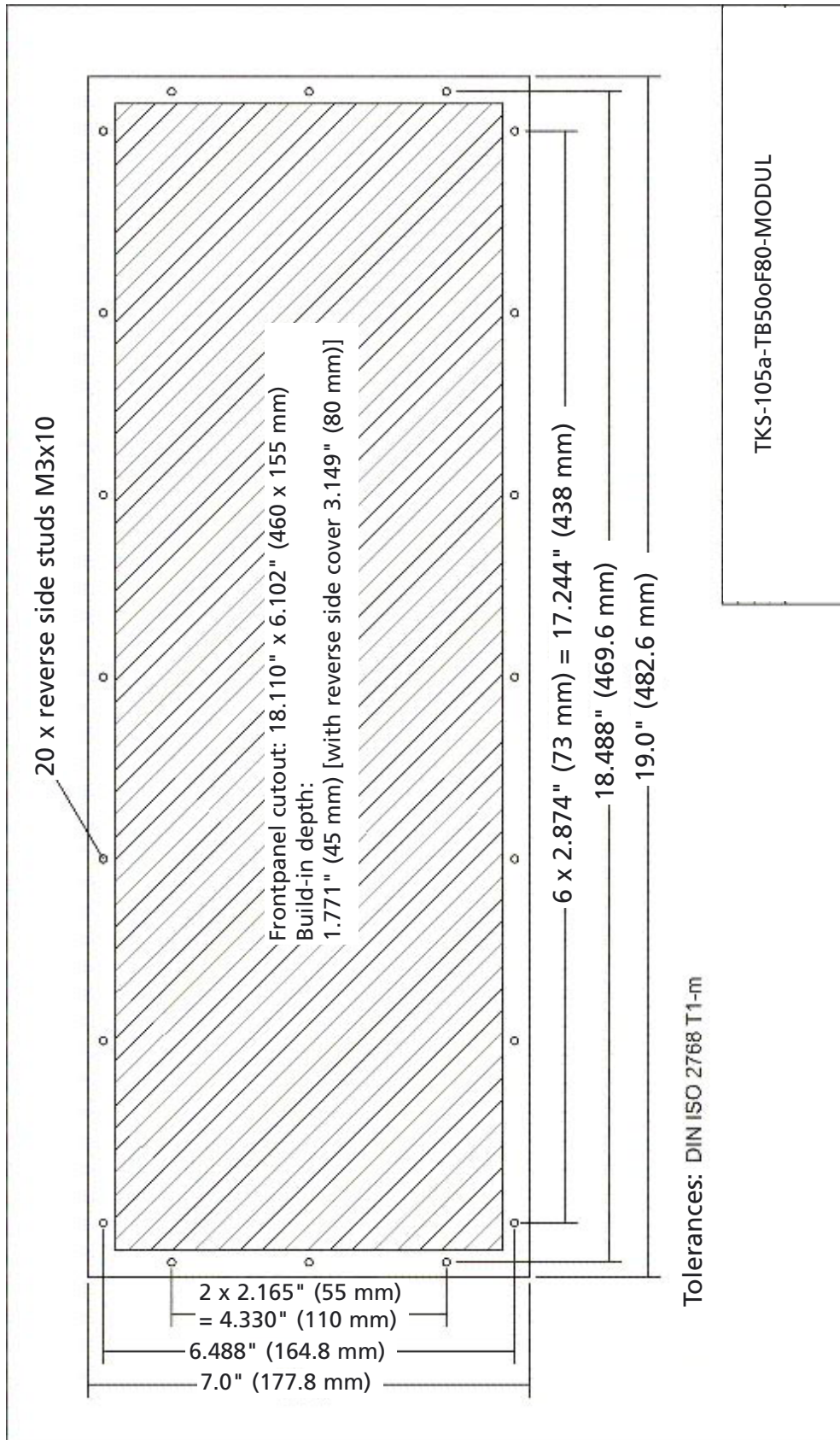
Ball Diameter: 50 mm / 2"  
 Actuation Force: 80 g  
 Trackball Lifetime: > 6 mil. revolutions  
 Protection Level: IP68;  
 NEMA 6P (frontside)

Cat.-No.	Product Name	
KS01201	TKS-105a-TB50oF80-MODUL-PS/2-US	50 mm / 2" Trackb.; PS/2; US-Lay
KS01203	TKS-105a-TB50oF80-MODUL-USB-US	50 mm / 2" Trackb.; USB; US-Lay
KY02000	TKS-105a-MODUL-SCHABLONE	Template
Other language versions/interfaces/configuration available on request		

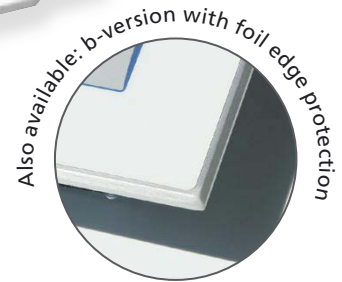


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**TKS-105a-TB50oF80-MODUL**



**TKS-105a-JST-MODUL**



**Features and benefits:**

- Incorporated professional 2-Axes joystick
- Stick equipped with switch for mousebutton-functionality
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- 19 inch 1U drawer compatible units
- Desktop and panel-mount versions available
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- Ergonomic design
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Activation force 2.6 N, key travel 0,4 mm
- Semi- or full customisation available

**Specification Keyboard**

Number of Keys:	105
Keyswitch Technology:	short travel keys
Actuation Force/ -Travel:	2.6 N / 0.3 mm
Keyswitch Lifetime:	3 mil. operations
Protection Level:	IP65, NEMA 4x (frontside)
Mounting Type:	panel mount
Dimensions:	482.6 x 177.8 x 23 mm 19" x 7" x 0.90"
Weight:	2000 g
Operating Temperature:	0 °C to +50 °C 32 °F to 122 °F
Front Panel Material:	aluminium

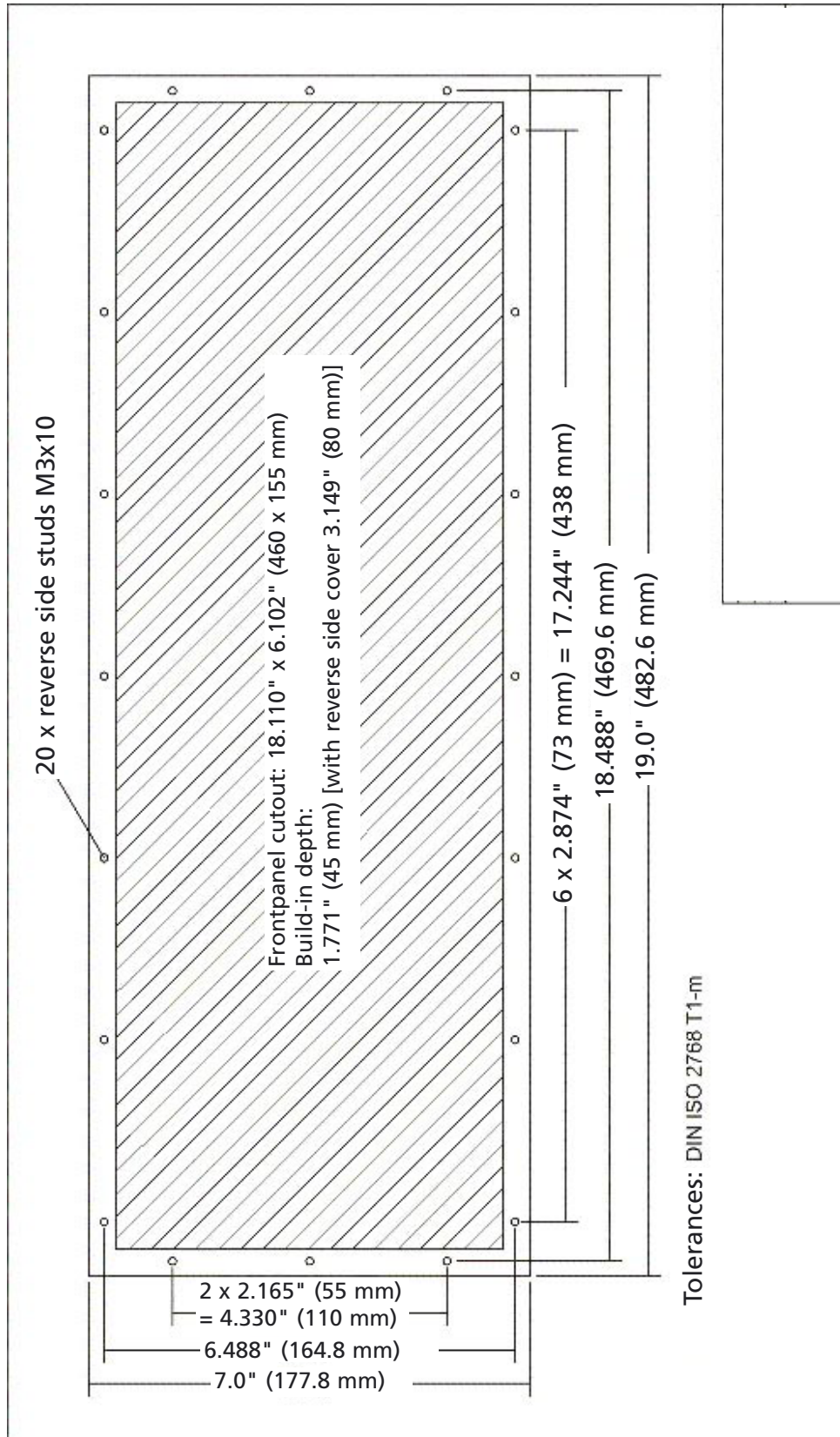
**Specification Joystick**

Stick Lenght	76 mm
Activation Force:	< 60 mN
Operation Angle:	+/- 25 °
Lifetime:	3 mil. operations

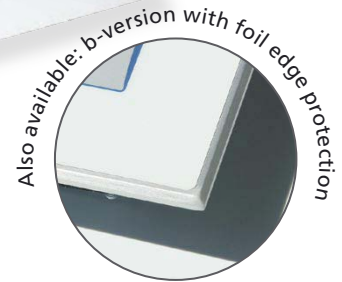
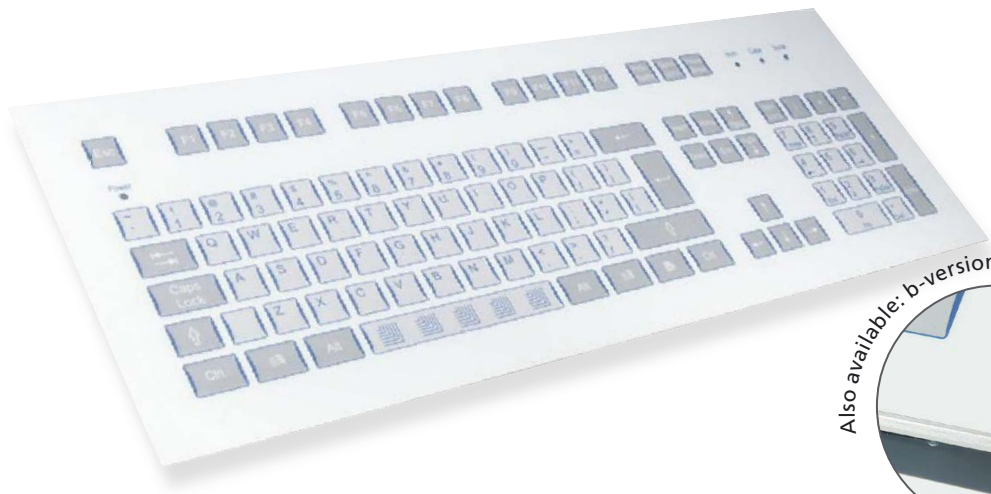
Cat.-No.	Product Name	
KS02023	TKS-105a-JST-MODUL-USB-US	USB; US-Layout
KY02000	TKS-105a-MODUL-SCHABLONE	Template
Other language versions/interfaces/configuration available on request		



**TKS-105a-JST-MODUL**



**TKS-105a-MODUL**



**Features and benefits:**

- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Suitable for use 19 inch 1U drawer units
- Panel mount version with reverse side screwing studs
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- Ergonomic design
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Activation force 2.6 N, key travel 0,3 mm

**Specification**

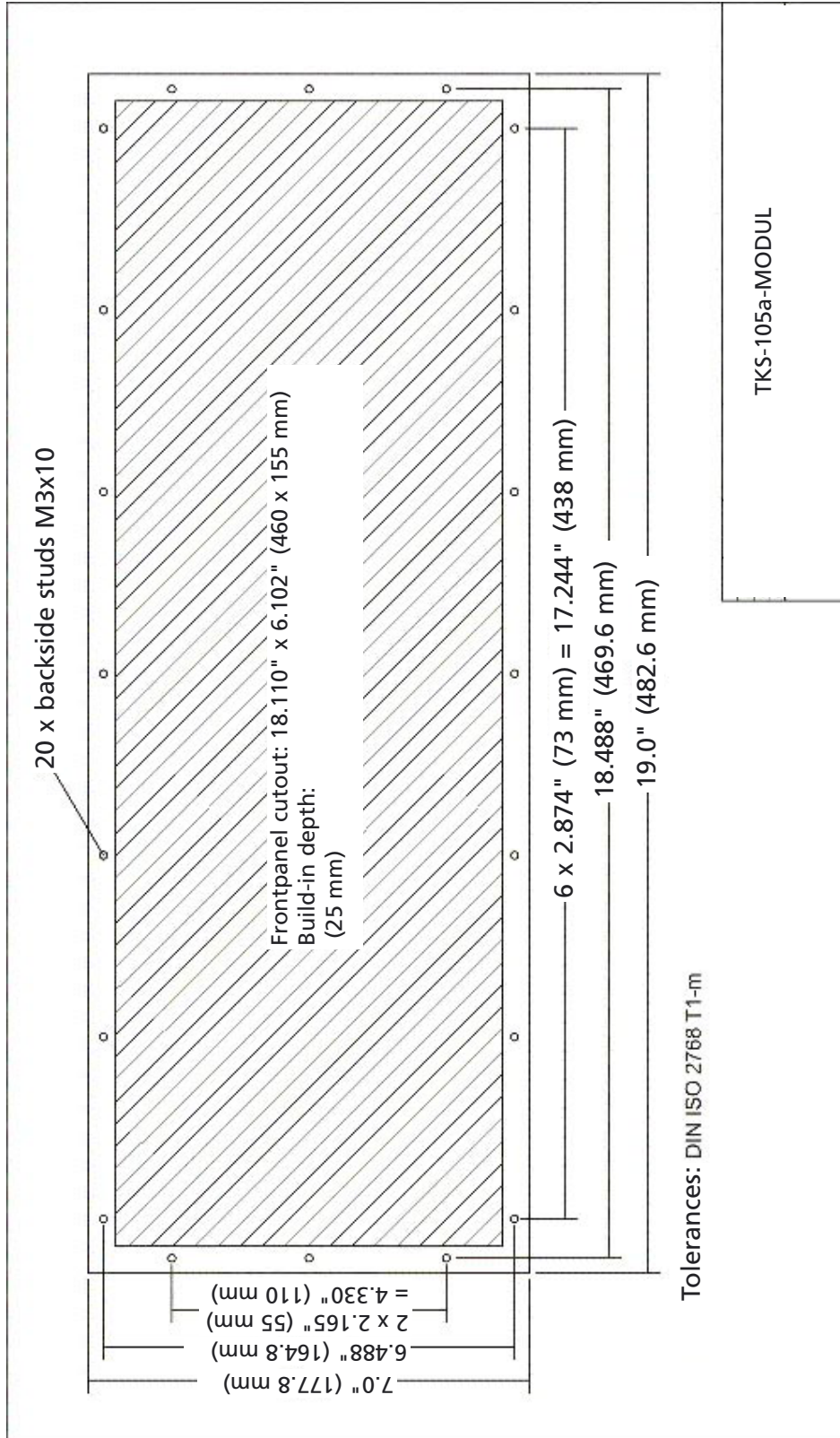
Number of Keys:	105
Keyswitch Technology:	short travel keys
Actuation Force/ -Travel:	2.6 N / 0.3 mm
Keyswitch Lifetime:	3 mil. operations
Protection Level:	IP65, NEMA 4x (front side)
Mounting Type:	panel mount
Dimensions:	482.6 x 177.8 x 23, mm 19" x 7" x 0.90"
Weight:	1500 g
Operating Temperature:	-40 °C to +90 °C, -40 °F to +194 °F
Front Panel Material:	aluminium

Cat.-No.	Product Name	
KS07241	TKS-105a-MODUL-PS/2 -US	PS/2; US-Layout
KS09490	TKS-105a-MODUL-USB-US	USB; US-Layout
KY02000	TKS-105a-MODUL-SCHABLONE	Template
Other language versions/interfaces/configuration available on request		



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**TKS-105a-MODUL**



TKS-105a-MODUL

**TKS-105a-TOUCH-FP-3HE**



**Features and benefits:**

- Integrated capacitive touchpad
- Height only 3 U
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- PS/2 and USB compatible
- Rack-mount version with mounting holes
- Rugged construction for reliable functionality and ergonomic design
- Chemical, abrasion and scratch resistant frontsheet
- > IP65 (NEMA 4x) sealing
- > 3 million operations per key
- Semi- or full customisation available

**Specification Keyboard**

Number of Keys: 105  
 Keyswitch Technology: short travel keys  
 Actuation Force/ -Travel: 2.6 N / 0.3 mm  
 Keyswitch Lifetime: 3 mil. operations  
 Protection Level: IP65, NEMA 4x (front)  
 Mounting Type: 19" rack mount  
 Dimensions: 482.6 x 132.5 (3U) x 23 mm  
 19" x 5.216" x 0.905"  
 Weight: 1100 g  
 Operating Temperature: -40 °C to +90 °C;  
 -40 °F to +194 °F  
 Front Panel Material: aluminium

**Specification Touchpad**

Motion Detection  
 Method: capacitive  
 Resolution: 40 counts / mm

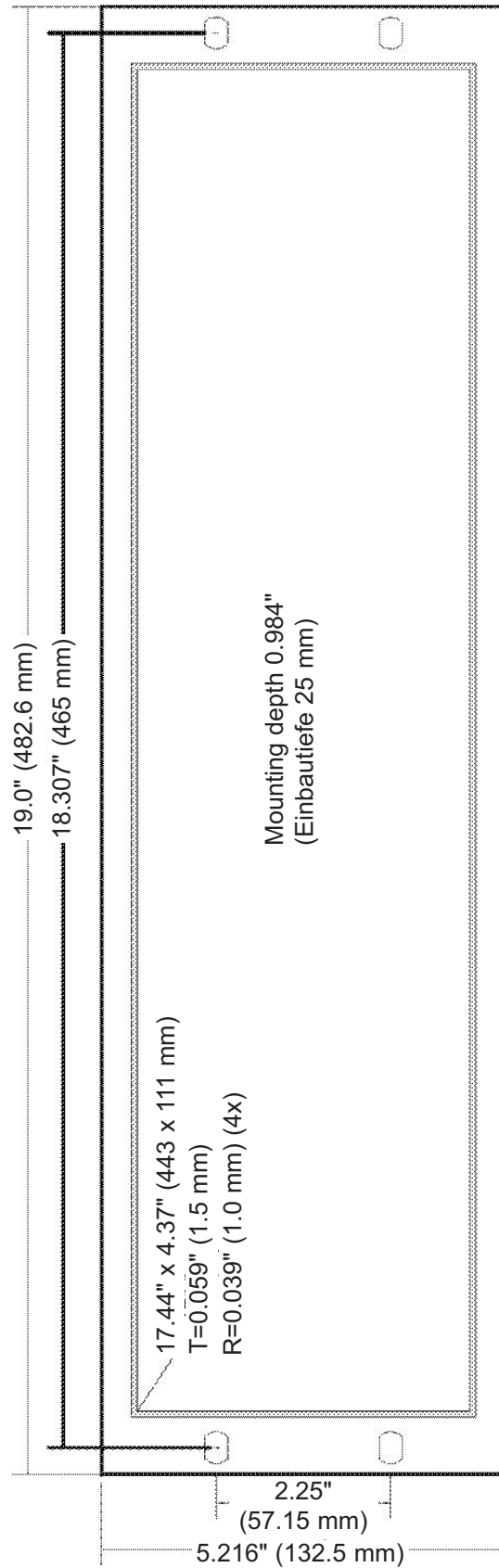
Cat.-No.	Product Name	
KS09405	TKS-105a-TOUCH-FP-3HE-PS/2-US	PS/2; US-Layout
KS09482	TKS-105a-TOUCH-FP-3HE-USB-US	USB; US-Layout
Other language versions/interfaces/configuration available on request		



Tilauksesta



**TKS-105a-TOUCH-FP-3HE**



TKS-105-Touch-3HE-FP

**TKS-105a-EX-TOUCH-MGEH**



**Features and benefits:**

- EX-approval II 2G, EEx ib IIC T4, DMT 01 ATEX E 177
- Stainless-steel enclosure
- Barrier always necessary to fulfil the EX-approvals
- Integrated capacitive Touchpad
- Highly reliable OMRON mechanical switches
- Positive tactile feedback and key embossing
- Rugged construction for reliable functionality
- Chemical, abrasion and scratch resistant frontsheet
- IP65 (NEMA 4x) sealing

**Specification Keyboard**

Number of Keys:	105
Keyswitch Technology:	short travel keys
Actuation Force/ -Travel:	2,6 N / 0,3 mm
Keyswitch Lifetime:	3 mil. operations
Protection Level:	IP65, NEMA 4x (frontside)
Mounting Type:	desktop; panel mount
Electronic Interface:	PS/2
Dimensions:	508 x 213 x 52 mm 20" x 8.38" x 2.05"
Weight:	5800 g
Operating Temperature:	0 °C to +50 °C; 32 °F to 122 °F
Enclosure Material:	stainless steel

**Specification Touchpad**

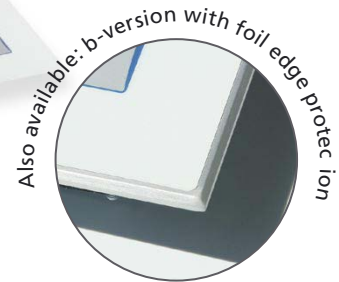
Motion	
Detection Method:	capacitive
Resolution:	40 counts / mm

Cat.-No.	Product Name	
KS02015	TKS-105-EX-TOUCH-MGEH-US	Enclosed version; US-Layout
KA09210	TKA-EX-VERSORGUNG-TKS	Barrier (Current Limiting Unit)
Other language versions/interfaces/configuration available on request		



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**TKS-105a/b-TB38-MODUL-USBPORT**



- Keyboard front equipped with USB port
- Integrated 38mm-Trackball
- TKS-105b-version available with foil edge protection

**Specification**

Number of Keys:	88
Keyswitch Technology:	short travel keys
Actuation Force/ -Travel:	2.6 N / 0.3 mm
Keyswitch Lifetime:	3 mil. operations
Protection Level:	IP65; NEMA 4x
Mounting Type:	desktop
Dimensions:	482,6 x 177,8 x 48 mm 19" x 7" x 1.89"
Weight:	1400 g
Operating Temperature:	-40 °C to +90 °C -40 °F to +194 °F
Enclosure Material:	polystyrene

**Specification USB Port**

Version:	1.1
Power Supply:	100mA (PC connection)
Protection Level:	IP65; NEMA 4x

**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 (front)

Cat.-No.	Product Name	
KS15023	TKS-105a-TB38-MODUL-USBPORT-USB-US	USB; US-Layout
KS15001	TKS-105b-TB38-MODUL-USBPORT-USB-US	USB; US-Layout
Other language versions/interfaces/configuration available on request		

