

# Original design M.2000-SWM





Metric

With button

## Identification no.

Contact block 1 NC / 1 NO

Contact block 2 NC

## Connection type

KU Cable on the bottom

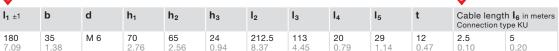
SU Connector on the bottom

Dimensions in: millimeters / inches

## Metric table

M12x1





Ø 6.8 Ø 10.5

## Specification

## Handle

Plastic, Polyamide (PA)

· Glass fiber reinforced

- Self-extinguishing, UL-94 V0
- · Operating temperature -4 °F to +122 °F (-20 °C to +50 °C)
- · Black, matte finish

## LED light diffuser

Plastic, Polycarbonate (PC)

- Self-extinguishing, UL-94 V0
- · Semi-transparent, white

#### Button

Plastic, Polyamide PA

#### Tapped insert

Brass

## Cable (Outer sheath)

Polyurethane (PUR)

Black

#### RoHS

Technical Information	Page	
Electrical and Mechanical Properties	QVX	
Strength Values	QVX	
IP Protection Classes	QVX	
Plastic Characteristics	OVX	

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Cabinet U-handles EN 6284 have a button and RGB LED lighting on the back of the handle.

Depending on the identification no., the button is equipped with one NC contact and one NO contact or two NC contacts and triggers an electrical control signal, e.g. for a machine control system.

The integrated RGB LED handle lighting can serve as a status indicator for a controller, for example. Various colors can be realized by combining red, blue and green light. The combinations can be found in the table.

Complementary cabinet U-handles without switching function are available as EN 6284.1.

see also	Page
GN 422 Cabinet U-Handles (with Power Switching Function)	QVX
EN 628.4 Bridge Handles (with Power Switching Function)	QVX
EN 6284.1 Cabinet U-Handles (without Power Switching Function)	QVX

#### Accessory

GN 330 Cables with Connector Coupling (8-pole, 5 or 10 meters long) QVX

	(-  /		
How to order (With connector)	1 Length I <sub>1</sub>		
7 2 3 4	2 Type		
	3 Identification no.		
EN 6284-180-T-1-SU	4 Connection type		
How to order (With cable)	1 Length I <sub>1</sub>		

How to order (With cable)		Length I₁	
<b>7 2 3 4 5</b> EN 6284-180-T-2-KU-2.5	2	Туре	
	3	Identification no.	
	4	Connection type	
	5	Cable length I <sub>6</sub>	

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Electrical and Mechani	ical Properties					
Button Contacts Contact material Contact resistor Contact voltages / current Mech. contact lifespan Lifespan Actuation force / distance	Changeover contact, slow-action contact Silver alloy 25 mΩ max. 30 V / 2.5 A (cable) max. 250 V / 4 A (plug) 3600 cycles/hour as per DIN EN 60947-5-1 10 <sup>7</sup> switching cycles 30 N (IP67) / 5 mm				Identification no. 1 Identification no. 2  5	
Category of use	DC-13: 24 V DC / AC-15: 240 V AC	0,	as per DIN EN 60947-5-1			
LED handle lighting					LED blue	
Operating voltage / current	24 V DC ± 10 %	/ 120 mA			14	
LED connection	LED colors	blue (1)	red (6)	green (7)	1 • 🗀	
Type RGB	red	off	on	off	LED red	
(see operating instruction)	green	off	off	on off	4	
	blue	on	off	on	6 • 8	
	light blue	on	off	on	LED green	
	violet	on	on	off	_ #	
	white	on	on	on	7•	
Connection type Cable (KU) Maximum bending radius or Plug (SU) Protection class	PUR cable with 0 > 70 mm  8-pin plug M12x IP 67	Pin configuration and cable assignment  1 - blue 2 - pink 3 - brown 4 - gray 5 - yellow 6 - red 7 - green 8 - white				
B10 <sub>d</sub> -Wert	20 000 000 as per DIN EN 13849-1			as per DIN EN 13849-1		
Short-circuit protection	4A 500V gG					
Rated insulation voltage	30 V AC/DC (plug) und 250 AC (cable)					
Degree of soiling	3				as per DIN EN 61010-1	
Switching paths diagram (schematic)	Identification no. 1   Identification no. 2   ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕   ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕					
Approvals, conformity declarations CE marking				C€		

## **Installation Holes**

The holes must be free of burrs to prevent damage to the cable.

