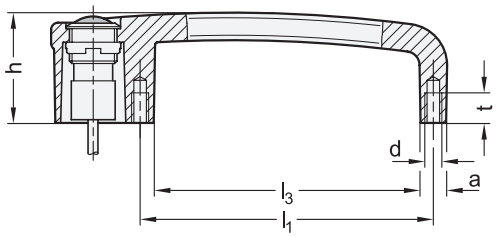
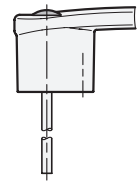
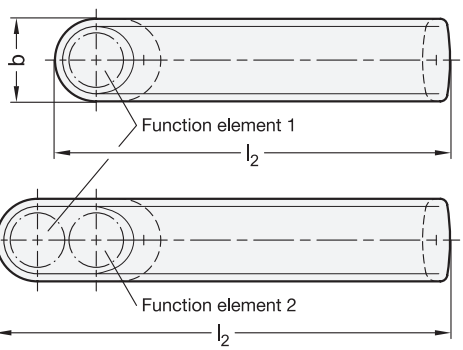
Cabinet U-Handles

Zinc Die Casting, with Electrical Switching Function / with Indicator Light

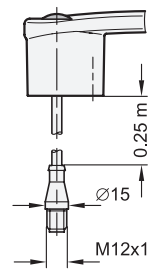


Connection type **K2** / **K5**

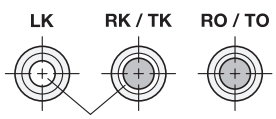




Connection type **S025**



Function elements



LED lighting
red or green depending on polarity

iF product design award

2 3 Function element 1 / Function element 2

LK	Indicator light red / green (bi-color) (no switching function)
RK	Button, latching with LED, red / green (bi-color)
RO	Button, latching, without LED
TK	Button, with LED, red / green (bi-color)
TO	Button, without LED

4 Connection type

K2	Cable, end open, 2 m
K5	Cable, end open, 5 m
S025	Cable with plug, 0,25 m

1

b	a	d	h	l_1	l_2 with one function element	l_2 with two function elements	l_3	t
33	10,2	M 6	44	117	158	181,5	105,5	12

Specification

5

Handle
Zinc die casting
Powder coated
- Black, RAL 9005, textured finish ● **SW**
- Silver, RAL 9006, textured finish ○ **SR**

Button / Indicator light housing
Stainless steel AISI 304

Cable (Outer sheath)
Polyurethan (PUR)
Black

Light guide
Plastic
Crystal-clear Polycarbonate (PC)

RoHS

Technical Information	Page
Electrical and Mechanical Properties	QVX
Load Rating Information	QVX
Plastic Characteristics	QVX

Accessory

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

Cabinet U-handles GN 422 are used to operate covers and doors. The buttons integrated into the handle can send electrical control signals, and the LEDs can indicate the status of a machine control, for example.
The handle is available with either 1 or 2 function elements. The LEDs light up red or green depending on the polarity at the connections.
Complementary cabinet U-handles without switching function are available as GN 422.1.

see also...	Page
GN 422.1 Cabinet U-Handles (Aluminum)	QVX
GN 3310 Switches	QVX
GN 628.4 Cabinet U-Handles (Plastic, with Power Switching Function)	QVX
GN 6284 Cabinet U-Handles (Plastic, with Power Switching Function)	QVX

How to order (with 1 function element)

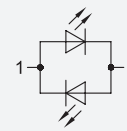
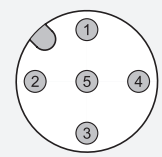
1 2 4 5
GN 422-33-TK-S025-SW

1	b
2	Function element 1
4	Connection type
5	Finish

How to order (with 2 function elements)

1 2 3 4 5
GN 422-33-LK-RK-K5-SR

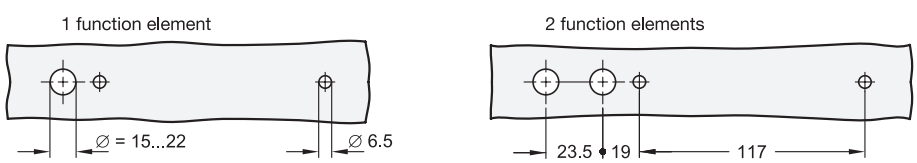
1	b
2	Function element 1
3	Function element 2
4	Connection type
5	Finish

Electrical and Mechanical Properties		
Button Contacts Contact material Switching voltages Switching current Mechanical lifespan Electrical lifespan	 Changeover contact, snap contact Silver alloy max. 125 V (plug) max. 240 V (cable) max. 3 A 10^6 switching cycles 50,000 switching cycles (under full load)	TK / TO RK / RO
LED indicator light / LED ring lighting Operating voltage / Operating current bi-color (red / green)	24 V DC ± 10 % / 7 mA	LED red  LED green
Category of use (Button)	AC 15: 24 V AC / 1 A / DC 13: 24 V DC / 0,7 A AC 15: 110 V AC / 1 A / DC 13: 110 V DC / 0,2 A AC 15: 220 V AC / 0,5 A / DC 13: 220 V DC / 0,1 A	according to IEC 60947-5-1
	AC: 120 V AC / 5 A / DC: 12 V DC / 1 A AC: 240 V AC / 3 A	according to UL 508
Connection type Cable with open end (K2 / K5) or Cable with plug (S025)	PUR cable with open stranded wires (2 m or 5 m) 5-pin connector M12x1 with PUR cable 0,25 m	Cable assignment  Pin assignment **LK**: 1 - brown, 2 - white **RK / TK**: 1 - green, 2 - white, 3 - yellow, 4 - gray, 5 - brown **RO / TO**: 3 - brown, 4 - green, 5 - white
Approvals / Conformities CE declaration	CE	

Security Information

The information in the operating instruction must be observed during installation, initial operation, and use. It is enclosed with the product and is provided digitally on the product page at ganternorm.com.

Installation Holes



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