



# Most Reliable Sensor Technology

- electric field
- inductive
- capacitive
- optical



Touch Interfaces and Indicators

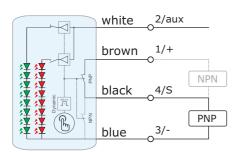
switch and indicator at once



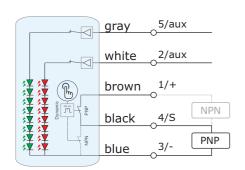
# **Dynamic**

#### **Static**

# Schematic 1



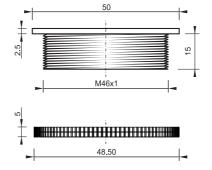
# Schematic 2



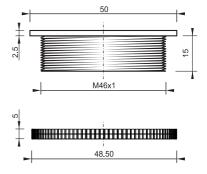
Connector M8











#### **SPECIFICATIONS**

Operating Voltage **Current Consumption** Output Current, PNPN Voltage Drop, PNPN Output Current, Relais Voltage Drop, Relais **Auxiliary Input Impulse Duration** Number of Operations Internal Schematic **Operating Temperature** Front Window Housing Material **Protection Class** Connected

#### Article Code PNP, Normally Open

PNP, Normally Closed NPN, Normally Open NPN, Normally Closed Relay, ON REQUEST

#### **Dynamic Operation**

14... 30 VDC < 70 mA

200 mA, short-circuit-proof

2.5V @200mA

30 mA @ 24 VAC, short-circuit-proof

0.5V @30mA

> 9 VDC, 1 mA @ 30 V

300 ms

1 or 2 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

#### Static Operation

14... 30 VDC < 70 mA

200 mA, short-circuit-proof

2.5V @200mA

30 mA @ 24 VAC, short-circuit-proof

0.5V @30mA

> 9 VDC, 1 mA @ 30 V

Continuous

Unlimited

1 or 2 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

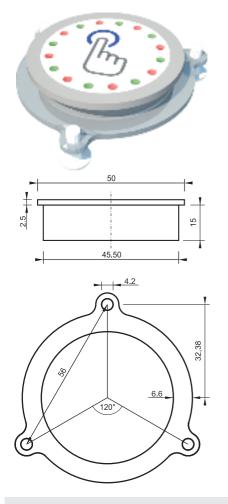
MO46D T(\*)VPOGR MO46S T(\*)VPOGR MO46D T(\*)VPCGR MO46S T(\*)VPCGR MO46D T(\*)VNOGR MO46S T(\*)VNOGR MO46D T(\*)VNCGR MO46S T(\*)VNCGR please call please call

Symbol Specification Code

See next Pages

See next Pages

# Dynamic



# 6.6

**Static** 

#### **Dynamic Operation**

14... 30 VDC < 70 mA

200 mA, short-circuit-proof

2.5V @200mA

30 mA @ 24 VAC, short-circuit-proof

0.5V @30mA

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-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

MO46D B(\*)VPOGR MO46D B(\*)VPCGR MO46D B(\*)VNOGR MO46D B(\*)VNCGR please call

#### Static Operation

14... 30 VDC

< 70 mA

200 mA, short-circuit-proof

2.5V @200mA

30 mA @ 24 VAC, short-circuit-proof

0.5V @30mA

> 9 VDC, 1 mA @ 30 V

Continuous

1 or 2 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

MO46S B(\*)VPOGR MO46S B(\*)VPCGR MO46S B(\*)VNOGR MO46S B(\*)VNCGR

please call

#### **Touch Operation**

acting without tiring

#### Optical FeedBack

clearly visible - very bright

#### Shock Resistant

vandal-proof construction

#### Solid State Design

absolutely no moving parts

#### 100% Oil-Tight

completely sealed enclosure

#### Wide-Angle Optics

LEDs with 360° micro mirrors

#### Constant Brightness

varying voltage has no effect

# Versatile Concept

we make custom configurations

The DuraTouch® switch from Xecro designs-in E Field Technology a near field effect smart circuitry to determine the presence of a conductive mass - like a human hand or finger, grounded metal or liquid.

As soon as a hand or finger touches the surface, the switch detects the presence and instantly indicates this event.

Due to the physical non-pressure technology, the switches can be operated without fatigue. Their solid-state design with no moving parts inside allows unlimited operations with no wear. They are not affected by loose clothing, debris etc, objects which accidentally activate optical sensors

DuraTouch® switches with Dynamic operation are typical start-buttons for machine operation where a single impulse is required to start a process. DuraTouch® switches with Static operation activate their output as long as the operator touches them. They're used where a longer signal with no tiring is required.

Schematic 1 turns on the green LEDs at full brightness as soon as the device gets ® powered. When the DuraTouch is operated, it turns off the green segment and activates the red LEDs; the dynamic version for 300ms only and returns then to the prior state.

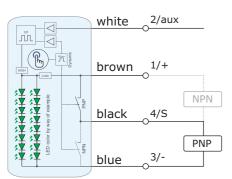
Schematic 2 disconnects all LEDs completely from the internal signal processing. External positive voltages at the auxiliary inputs will constantly turn on their corresponding LEDs as long as the signal is present.



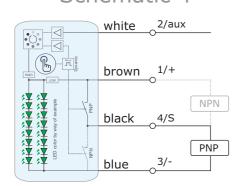
# Dynamic

#### **Static**

# Schematic 3



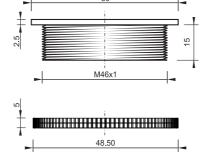
# Schematic 4



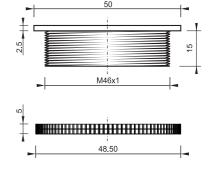












#### **SPECIFICATIONS**

Operating Voltage
Current Consumption
Output Current, PNPN
Voltage Drop, PNPN
Output Current, Relais
Voltage Drop, Relais
Auxiliary Input
Impulse Duration
Number of Operations
Internal Schematic
Operating Temperature
Front Window
Housing Material

Front Window Housing Material Protection Class Connected

#### Article Code

PNP, Normally Open PNP, Normally Closed NPN, Normally Open NPN, Normally Closed Relay, ON REQUEST

#### **Dynamic Operation**

14... 30 VDC < 70 mA

200 mA, short-circuit-proof

2.5V @200mA

30 mA @ 24 VAC, short-circuit-proof

0.5V @30mA

> 9 VDC, 1 mA @ 30 V

300 ms

1 or 2 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

#### Static Operation

14... 30 VDC < 70 mA

200 mA, short-circuit-proof

2.5V @200mA

30 mA @ 24 VAC, short-circuit-proof

0.5V @30mA

> 9 VDC, 1 mA @ 30 V

Continuous

Unlimited

1 or 2 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

 MO46D T(\*)VPOGG
 MO46S T(\*)VPORR

 MO46D T(\*)VPCGG
 MO46S T(\*)VPCRR

 MO46D T(\*)VNOGG
 MO46S T(\*)VNORR

 MO46D T(\*)VNCGG
 MO46S T(\*)VNCRR

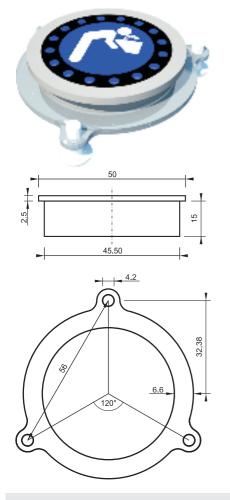
 please call
 please call

Symbol Specification Code

See next Pages

See next Pages

#### **Dynamic Static**



# 6.6

#### **Dynamic Operation**

14... 30 VDC < 70 mA

200 mA, short-circuit-proof

2.5V @200mA

30 mA @ 24 VAC, short-circuit-proof

0.5V @30mA

> 9 VDC, 1 mA @ 30 V

300 ms

1 or 2 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

MO46D B(\*)VPOBB MO46D B(\*)VPCBB MO46D B(\*)VNOBB MO46D B(\*)VNCBB

please call

#### Static Operation

14... 30 VDC

< 70 mA

200 mA, short-circuit-proof

2.5V @200mA

30 mA @ 24 VAC, short-circuit-proof

0.5V @30mA

> 9 VDC, 1 mA @ 30 V

Continuous

1 or 2 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

MO46S B(\*)VPORR MO46S B(\*)VPCRR MO46S B(\*)VNORR MO46S B(\*)VNCRR

please call

#### Touch Operation

acting without tiring

#### Optical FeedBack

clearly visible - very bright

#### Shock Resistant

vandal-proof construction

#### Solid State Design

absolutely no moving parts

#### 100% Oil-Tight

completely sealed enclosure

#### Wide-Angle Optics

LEDs with 360° micro mirrors

#### Constant Brightness

varying voltage has no effect

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we make custom configurations

The DuraTouch® switch from Xecro designs-in E Field Technology a near field effect smart circuitry to determine the presence of a conductive mass - like a human hand or finger, grounded metal or liquid.

As soon as a hand or finger touches the surface, the switch detects the presence and instantly indicates this event.

Due to the physical non-pressure technology, the switches can be operated without fatigue. Their solid-state design with no moving parts inside allows unlimited operations with no wear. They are not affected by loose clothing, debris etc, objects which accidentally activate optical sensors

DuraTouch® switches with Dynamic operation are typical start-buttons for machine operation where a single impulse is required to start a process. DuraTouch® switches with Static operation activate their output as long as the operator touches them. They're used where a longer signal with no tiring is required.

Schematic 3 keeps all LEDs turned on at low intensity. When the  $\dot{\text{Duratouch}}^{\text{\$}}$  is operated, it emits a single bright impulse (Dynamic) or constantly blinks brighly at ~1 Hz (Static).

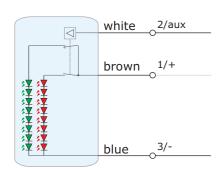
Schematic 4 keeps all LEDs turned on at low intensity. When the DuraTouch® is operated, it flickers at high brightness for 300ms (Dynamic) or as long as the trigger is present (Static). A positive voltage level at the **aux**iliary input causes the DuraTouch® to blink/flicker. AUX is independent from the working principle of the switch and therefore drives the LEDs as long as the external signal is present.

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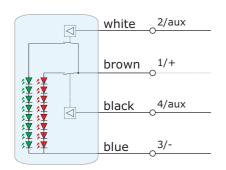


# DuraTouch<sub>®</sub> - Machine Operation **Dual Color LED Indicators**

# Schematic 1



# Schematic 2

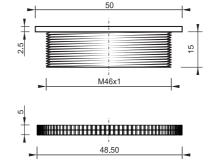


Connector M8



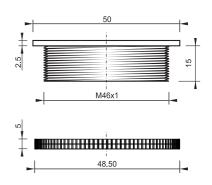
# **Dynamic**





#### **Static**





#### **SPECIFICATIONS**

Operating Voltage **Current Consumption** Auxiliary Input Threshold **Auxiliary Input Current** Blinking Frequency

Con	staı	nt	Light
14	30	V	OC

< 70 mA > 9 VDC

1 mA @ 30 V

Constant Light

14... 30 VDC < 70 mA > 9 VDC 1 mA @ 30 V

Operating Temperature			
Front Window			
Housing Material			
Mechanical Protection			
Protection Class			

#### Article Code

Symbol Specification Code

Connection

50% Blue (470 nm), 50% RED (624 nm) 50% Green (530 nm), 50% RED (624 nm) 50% Blue (470 nm), 50% Green (530 nm) 50% White, 50% RED (624 nm)

-40... +55 °C | -40 °F... +131 °F Polycarbonate

Stainless Steel IK09

Front: IP 68, Back: IP67

-40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

IK09

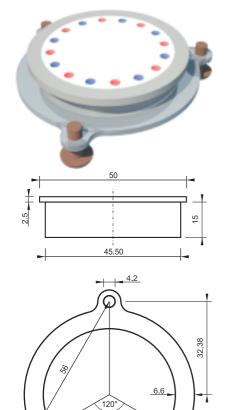
Front: IP 68, Back: IP67

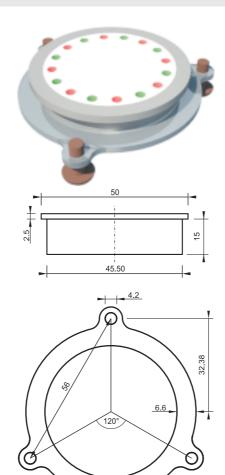
SLH46 T1-VBR/ SLH46 T1-VGR/ SLH46 T1-VBG/ SLH46 T1-VWR/ SLH46 T2-VBR/ SLH46 T2-VGR/ SLH46 T2-VBG/ SLH46 T2-VWR/

See next Pages See next Pages See next Pages See next Pages

# Dynamic

#### Static





#### Constant Light

14... 30 VDC < 70 mA

> 9 VDC

1 mA @ 30 V

\_

#### Constant Light

14... 30 VDC

< 70 mA

> 9 VDC

1 mA @ 30 V

\_

-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

IK09

Front: IP 68, Back: IP67

-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

SLH46 B2-VBR/

SLH46 B2-VGR/

SLH46 B2-VBG/

SLH46 B2-VWR/

IK09

Front: IP 68, Back: IP67

SLH46 B1-VBR/ SLH46 B1-VGR/ SLH46 B1-VBG/ SLH46 B1-VWR/

See next Pages
See next Pages
See next Pages
See next Pages

# Single or Dual Color

flexible illumination concept

#### Optical FeedBack

clearly visible - very bright

#### Shock Resistant

vandal-proof construction

# Solid State Design

absolutely no moving parts

#### 100% Oil-Tight

completely sealed enclosure

#### Wide-Angle Optics

LEDs with 360° micro mirrors

#### Constant Brightness

varying voltage has no effect

# Versatile Concept

we make custom configurations

These extremely bright LED-Indicators are available with 16 ultra-bright LED of a single color or with two different alternating colors. Both versions have an auxilary input to activate the LEDs.

**Schematic 1** turns the LED on as long as the external signal is present.

**Schematic 2** starts blinking with a frequency of 1 Hz as soon as the external input is active.

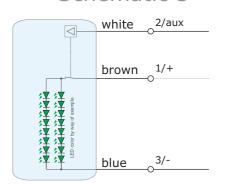
These reliable indicators fit into the same mounting holes the Ø46 mm **DuraTouch**®

Each indicator additionally can be upgraded with a pictogram to point the meaning of it even more.

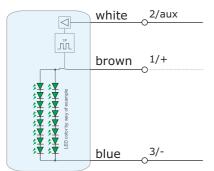


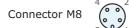
# DuraTouch<sub>®</sub> - Machine Operation Single Color LED Indicators

# Schematic 3



# Schematic 4

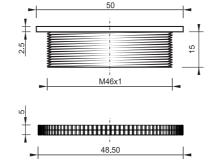






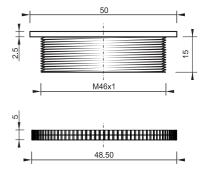
# **Dynamic**





#### **Static**





#### **SPECIFICATIONS**

Operating Voltage **Current Consumption** Auxiliary Input Threshold **Auxiliary Input Current** Blinking Frequency

#### Constant Light

14... 30 VDC < 70 mA > 9 VDC 1 mA @ 30 V

#### Blinking when activated

14... 30 VDC < 70 mA > 9 VDC 1 mA @ 30 V 1 Hz

**Operating Temperature** Front Window Housing Material **Mechanical Protection** Protection Class

Article Code 100% RED (624 nm) 100% GREEN (530 nm)

100% YELLOW (589 nm) 100% BLUE (470 nm) 100% WHITE

Connection Symbol Specification Code -40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

IK09

Front: IP 68, Back: IP67

-40... +55 °C | -40 °F... +131 °F Polycarbonate

Stainless Steel

IK09

Front: IP 68, Back: IP67

SLH46 T1-VRR/ SLH46 T1-VGG/ SLH46 T1-VYY/ SLH46 T1-VBB/ SLH46 T1-VBB/

See next Pages

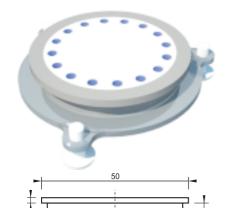
See next Pages

SLH46 T2-VRR-1/ SLH46 T2-VGG-1/ SLH46 T2-VYY-1/ SLH46 T2-VBB-1/ SLH46 T2-VBB-1/

See next Pages See next Pages

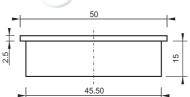
# Dynamic

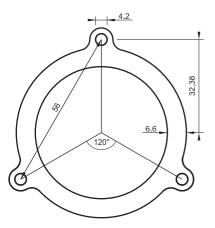
#### Static

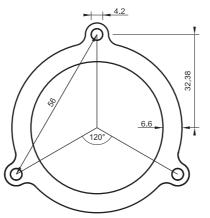


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#### Constant Light

14... 30 VDC < 70 mA

> 9 VDC

1 mA @ 30 V

\_

#### Blinking when activated

14... 30 VDC

< 70 mA

> 9 VDC

1 mA @ 30 V

1 Hz

#### -40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

See next Pages

IK09

Front: IP 68, Back: IP67

#### -40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

IK09

Front: IP 68, Back: IP67

# SLH46 B1-VRR/ SLH46 B1-VGG/ SLH46 B1-VYY/ SLH46 B1-VBB/ SLH46 B1-VBB/ See next Pages

SLH46 B2-VRR-1/ SLH46 B2-VGG-1/ SLH46 B2-VYY-1/

SLH46 B2-VYY-1/ SLH46 B2-VBB-1/

SLH46 B2-VBB-1/

See next Pages See next Pages

# Single or Dual Color

flexible illumination concept

#### Optical FeedBack

clearly visible - very bright

#### **Shock Resistant**

vandal-proof construction

# Solid State Design

absolutely no moving parts

#### 100% Oil-Tight

completely sealed enclosure

#### Wide-Angle Optics

LEDs with 360° micro mirrors

#### Constant Brightness

varying voltage has no effect

# Versatile Concept

we make custom configurations

These extremely bright LED-Indicators are available with 16 ultra-bright LED of a single color or with two different alternating colors. Both versions have an auxilary input to activate the LEDs.

**Schematic 1** turns the LED on as long as the external signal is present.

**Schematic 2** starts blinking with a frequency of 1 Hz as soon as the external input is active.

These reliable indicators fit into the same mounting holes the Ø46 mm **DuraTouch**®

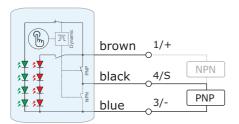
Each indicator additionally can be upgraded with a pictogram to point the meaning of it even more.



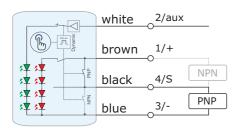
#### Dynamic

#### **Static**

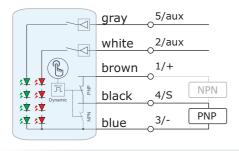
# Schematic 0



# Schematic 1

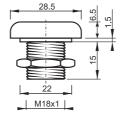


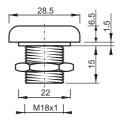
# Schematic 2











#### **SPECIFICATIONS**

Operating Voltage
Current Consumption
PNPN, Output Current
Relay, Output Current
Voltage Drop
Auxiliary Input High Voltage
Auxiliary Input Current
Impulse Duration
Number of Operations
Internal Schematic
Operating Temperature
Front Window
Housing Material
Protection Class
Connected

#### Article Code PNP, Normally Open

PNP, Normally Closed

NPN, Normally Open NPN, Normally Closed Relay, Normally Open (n.a. Schematic 2) Relay, Normally Closed (n.a. Schematic 2) Dynamic Operation
14... 30 VDC

< 30 mA

400 mA, short-circuit-proof

> 30 mA @ 24 VAC, short-circuit-proof

PNPN: 2.5V @600mA Relay:0.5V @30mA

< 7 VDC

0.5 mA @ 30 V

300 ms

Unlimited

1 to 3 are possible selections - replace (\*)  $\,$ 

-40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

#### Static Operation

14... 30 VDC

< 30 mA

400 mA, short-circuit-proof

> 30 mA @ 24 VAC, short-circuit-proof

PNPN: 2.5V @600mA Relay:0.5V @30mA

< 7 VDC

0.5 mA @ 30 V

Continuous

Unlimited

1 to 3 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

 MO22D T(\*)VPOGR
 MO22S T(\*)VPOGR

 MO22D T(\*)VPCGR
 MO22S T(\*)VPCGR

 MO22D T(\*)VNOGR
 MO22S T(\*)VNOGR

 MO22D T(\*)VNCGR
 MO22S T(\*)VNCGR

 MO22D T(\*)VROGR
 MO22S T(\*)VROGR

 MO22D T(\*)VRCGR
 MO22S T(\*)VRCGR

Symbol Specification Code See

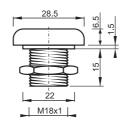
See next Pages

See next Pages

#### Toggle Combo







#### Touch Operation

acting without tiring

#### Optical Feedback

clearly visible - homogeneous

#### Shock Resistant

vandal-proof construction

#### Solid State Design

absolutely no moving parts

#### 100% Oil-Tight

completely sealed enclosure

#### Versatile Concept

pure multi-LED indicators available

#### Constant Brightness

varying voltage has no effect

Compatible

Moeller fits into standard Ø22.5mm holes

# Latched Operation

14... 30 VDC < 30 mA

400 mA, short-circuit-proof

> 30 mA @ 24 VAC, short-circuit-proof

PNPN: 2.5V @600mA Relay:0.5V @30mA

< 7 VDC

0.5 mA @ 30 V

Continuous Unlimited

1 to 3 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

**Combined Operation** 

14... 30 VDC

< 30 mA

400 mA, short-circuit-proof

> 30 mA @ 24 VAC, short-circuit-proof

PNPN: 2.5V @600mA Relay: 0.5V @30mA

< 7 VDC

0.5 mA @ 30 V

Continuous

1 to 3 are possible selections - replace (\*)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate

Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

MO22T T(\*)VPOGR MO22C T(\*)VPOGR MO22T T(\*)VPCGR MO22C T(\*)VPCGR MO22T T(\*)VNOGR MO22C T(\*)VNOGR MO22T T(\*)VNCGR MO22C T(\*)VNCGR MO22T T(\*)VROGR MO22C T(\*)VROGR MO22C T(\*)VRCGR MO22T T(\*)VRCGR

See next Pages See next Pages The **DuraTouch**® switch from Xecro designs-in E Field Technology a near field effect smart circuitry to determine the presence of a conductive mass - like a human hand or finger, grounded metal or liquid.

As soon as a hand or finger touches the surface, the switch detects the presence and instantly indicates this event.

Due to the physical non-pressure technology, the switches can be operated without fatigue. Their solid-state design with no moving parts inside allows unlimited operations with no wear. They are not affected by loose clothing, debris etc, objects which accidentally activate optical sensors

DuraTouch® switches with Dynamic operation are typical start-buttons for machine operation where a single impulse is required to start a process. DuraTouch® switches with Static operation activate their output as long as the operator touches them. They're used where a longer signal with no tiring is required. This series also can

toggle the output each time the surface is touched. Combo can be used as a static switch where the output is active as long as the switch is operated. A fast double touch latches the switch with permanent On-state from where it gets released by an additional touch.

Schematic 0 turns on the green LEDs as soon as the device gets powered.

Schematic 1 turns on the green LEDs as soon as aux gets active.

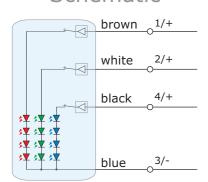
The indicated color changes from green to red as long as the output is activated.

Schematic 2 disconnects all LEDs from the internal signal processing. External positive voltages at the auxiliary inputs will constantly turn on their corresponding LEDs as long as the signal is present.



# DuraTouch<sub>®</sub> - Machine Operation Multi Color LED-Indicator

# Schematic



# Shock Resistant

vandal-proof construction

#### 7 Different Colors

each LED can be driven individually

#### 100% Oil-Tight

completely sealed enclosure

#### Constant Brightness

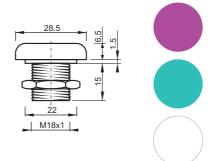
varying voltage has no effect

Compatible Moeller

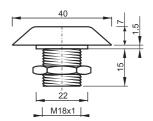
Siemens

fits into standard Ø22.5mm holes









#### **SPECIFICATIONS**

Operating Voltage **Current Consumption** Voltage Drop (Red) Voltage Drop (Green)

Voltage Drop (Blue)

#### Multi-LED Standard

14... 30 VDC  $\sim$  11 mA per string

 $\sim 8 \text{ V}$ 

 $\sim$  14 V ~ 13 V

#### Multi-LED Hygienic

14... 30 VDC ~ 11 mA per string

~ 8 V ~ 14 V ~ 13 V

Operating Temperature

Front Window Housing Material **Protection Class** Connected

Article Code

Terminal Block, 5-pole Pig-Tailed Connector M8, (30cm) Single Strands, (20cm)

PVC Cable, (200cm)

-40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

MLS22 T-VRGB/TB5 MLS22 T-VRGB/3P8 MLS22 T-VRGB/2F4 MLS22 T-VRGB/A2P -40... +55 °C | -40 °F... +131 °F

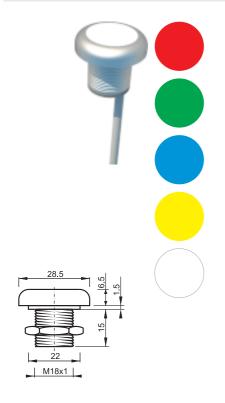
Polycarbonate Stainless Steel

Front: IP 68, Back: IP67, IK09

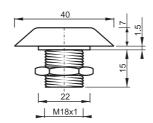
See next Pages

MLH22 T-VRGB/TB5 MLH22 T-VRGB/3P8 MLH22 T-VRGB/2F4 MLH22 T-VRGB/A2P

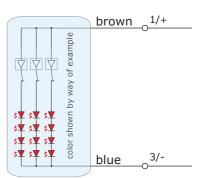
# DuraTouch<sub>®</sub> - Machine Operation Single Color LED-Indicator







# Schematic



#### Shock Resistant

vandal-proof construction

#### 5 Different Colors

maximum brightness

# 100% Oil-Tight

completely sealed enclosure

# **Constant Brightness**

varying voltage has no effect

Compatible Siemens Moeller fits into standard Ø22.5mm holes

# Single-LED Standard Single-LED Hygienic

14... 30 VDC ~ 11 mA per string

~ 8 V ~ 14 V

~ 13 V

14... 30 VDC

~ 11 mA per string

~ 8 V ~ 14 V ~ 13 V from Xecro fit into the same mounting holes the Ø22mm DuraTouch® uses and were also used by the mechanical switches and filament lamps from Siemens® and Moeller®. Each LED path can be driven individually to

These very flexible Multi-Color LED-Indicators

select one of 7 different colors enabling the user to display e.g.

ready

all parts in position

machine processing

low part count in magazine

error

with a single indicator.

Each indicator additionally can be upgraded with a pictogram to point the meaning of it even more.

The Single LED Indicators on the right are using 12 very bright LEDs of a single color and thereby reaching significant more brightness on standard colors.

-40... +55 °C | -40 °F... +131 °F Polycarbonate

Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

-40... +55 °C | -40 °F... +131 °F

Polycarbonate Stainless Steel

Front: IP 68, Back: IP67, IK09

See next Pages

 SLS22 T-VRRR/TB5
 SLH22 T-VRRR/TB5

 SLS22 T-VRRR/3P8
 SLH22 T-VRRR/3P8

 SLS22 T-VRRR/2F4
 SLH22 T-VRRR/2F4

 SLS22 T-VRRR/A2P
 SLH22 T-VRRR/A2P

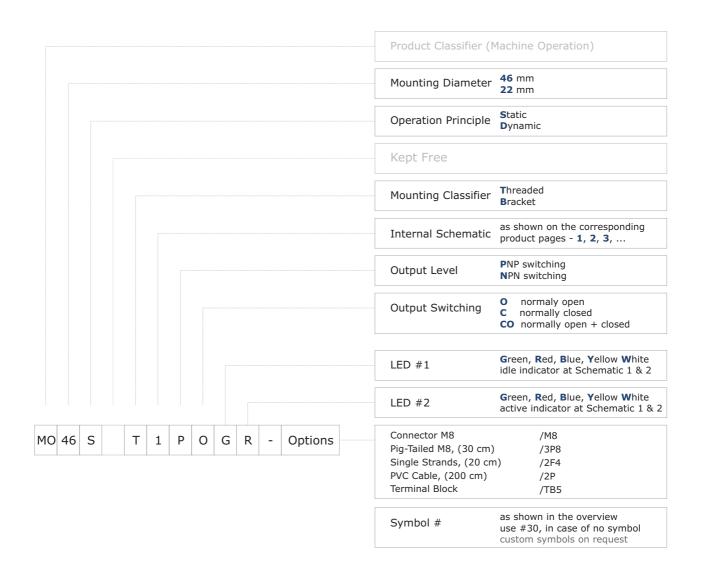
GGG for green, YYY for yellow BBB for blue, WWW for white

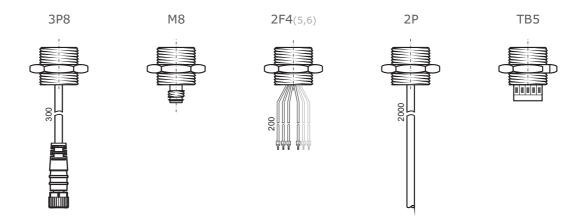
GGG for green, YYY for yellow BBB for blue, WWW for white

See next pages



# How to build Order Codes





# DuraTouch<sub>®</sub> Machine Operation Single | Multi Color LED-Indicator

# Standard Pictograms

