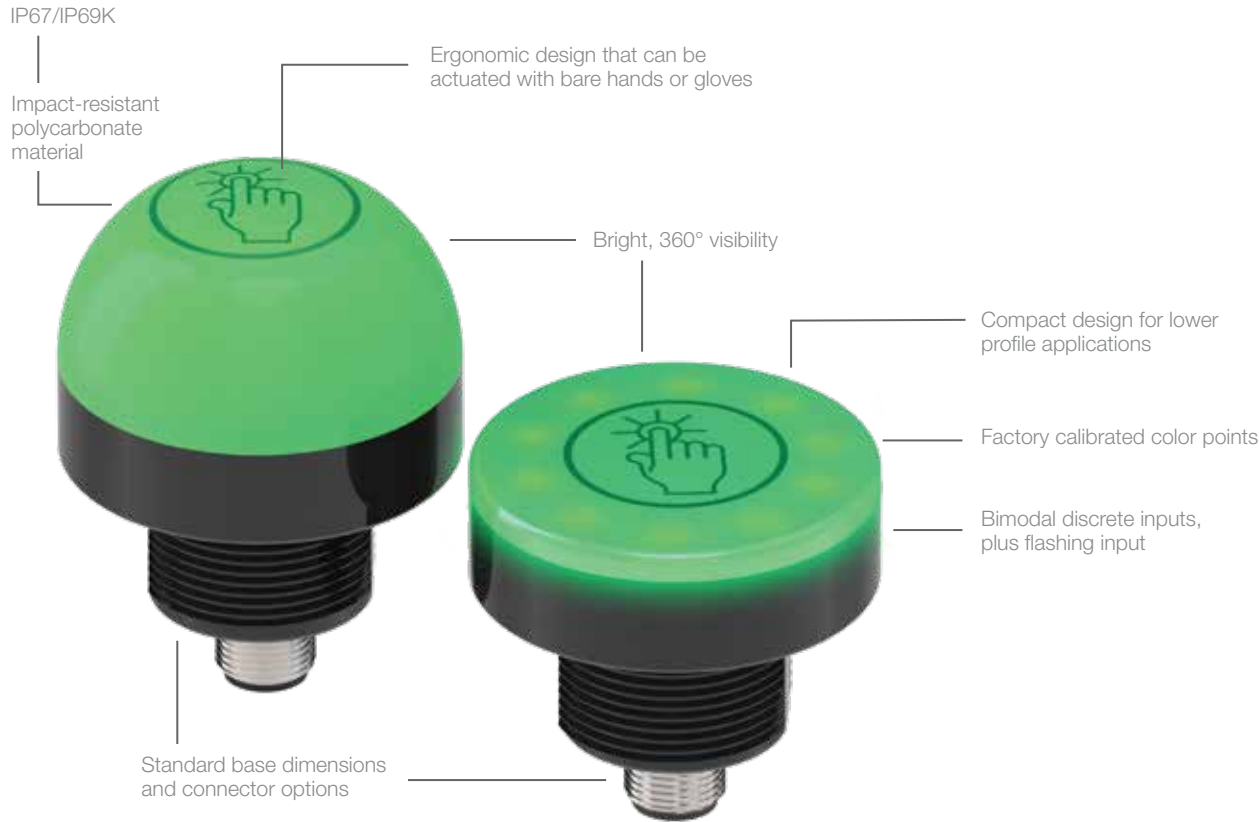# K50 Pro Touch

Bolder Programmable Touch Buttons

- Simplified ordering and design
- Reliable performance in harsh environments
- Improved production efficiency
- Full flexibility of colors, touch, animations and output settings with Pro Editor software

BANNER ®

Effectively Interface with your Equipment

IP67/IP69K

Impact-resistant
polycarbonate
material

Ergonomic design that can be
actuated with bare hands or gloves

Bright, 360° visibility

Compact design for lower
profile applications

Factory calibrated color points

Bimodal discrete inputs,
plus flashing input

Standard base dimensions
and connector options

Avoid nuisance maintenance and
replacement expense

FDA
FOOD GRADE

Select compliant models for use in
food and beverage processing

PRO

Customize device configuration with advanced
animation options and touch settings. Visit
www.bannerengineering.com/proeditor for full
details on the Pro Editor software

Excellent immunity to false triggering
in washdown environments

Adjustable touch sensitivity

Simplify ordering, stock and spare parts with
flexible, customizable units

Work Assembly Indication

Challenge

• Need to increase production speeds without
additional personnel

• Alert operators to changes in machine status as
they occur

Solution

• K50 Pro Touch Button speeds up identification of
issues on the line so that one operator can monitor
multiple stations at the same time

• Displays up to 14 different colors and a variety of
animations for more intuitive machine-to-human
communication

• Pro Editor capability allows users to standardize on
programmable devices and streamline their supply
chain

Interactive Takt Time

Challenge

• Notify operators of production time elapsed without
disrupting their attention from the task at hand

• Need intuitive visual cues to guide operators to
complete tasks quickly and accurately

• Provide quick, easy-to-understand visual feedback of
production status

Solution

• In sequence mode, K50 Pro Touch Button with
IO-Link can display takt time or part count directly in
worker sight lines

• Provide an effective way for operators to
communicate their progress

• Increase production by improving operator efficiency

50/50 Rotate

Intensity Sweep

Flash

Comparison of Pro vs. Pro with IO-Link

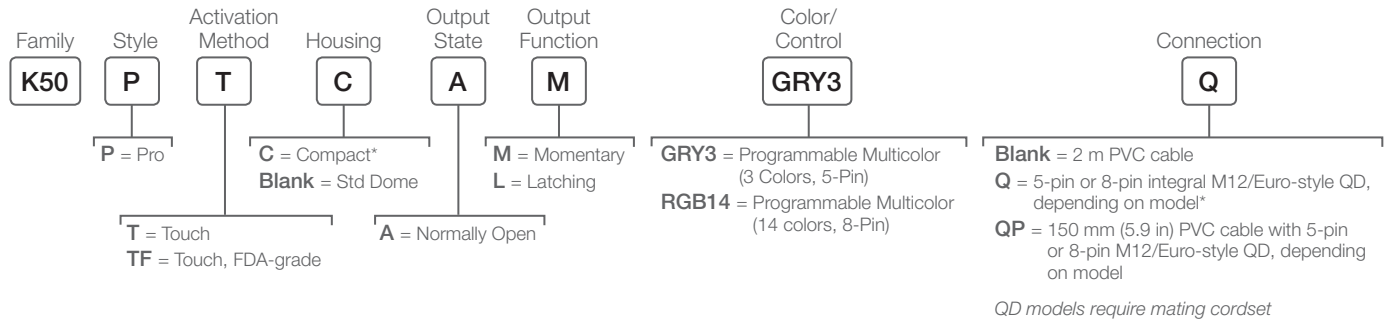|	K50 Pro Touch	K50 Pro Touch with IO-Link
Pro Editor Compatible	✓	✗
Discrete Control	✓	✗
Full Control of Touch Logic	✓	✓
IO-Link Control	✗	✓
Sequence Mode	✗	✓
Individual LED Control	✗	✓
Remote Configuration and Monitoring	✗	✓
Touch Sensitivity Control	✓	✓
Increased Data Availability	✗	✓
Simple Device Replacement	✓	✓
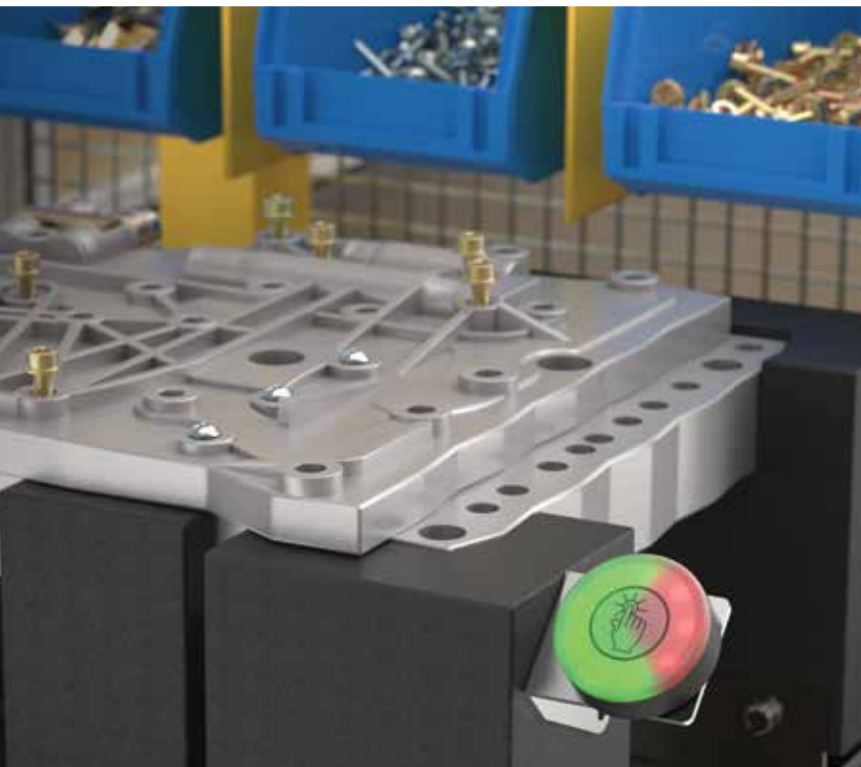
IO-Link®

5 Advantages of IO-Link

1. Standardized and Reduced Wiring
2. Increased Data Availability
3. Remote Configuration and Monitoring
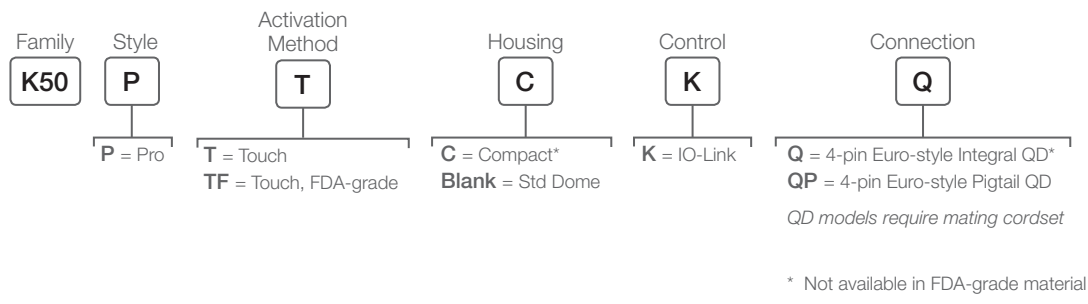4. Simple Device Replacement
5. Extended Diagnostics

BANNER®

K50 Pro Touch

Family	Style	Activation Method	Housing	Output State	Output Function	Color/Control	Connection
K50	P	T	C	A	M	GRY3	Q

P = Pro

C = Compact*
Blank = Std Dome

T = Touch
TF = Touch, FDA-grade

A = Normally Open

M = Momentary
L = Latching

GRY3 = Programmable Multicolor (3 Colors, 5-Pin)
RGB14 = Programmable Multicolor (14 colors, 8-Pin)

Blank = 2 m PVC cable
Q = 5-pin or 8-pin integral M12/Euro-style QD, depending on model*
QP = 150 mm (5.9 in) PVC cable with 5-pin or 8-pin M12/Euro-style QD, depending on model

QD models require mating cordset

ø 50.0 mm
ø 50.0 mm
38 mm
17 mm
ø 30.0 mm

K50 Pro Touch with IO-Link

Family	Style	Activation Method	Housing	Control	Connection
K50	P	T	C	K	Q

P = Pro

T = Touch
TF = Touch, FDA-grade

C = Compact*
Blank = Std Dome

K = IO-Link

Q = 4-pin Euro-style Integral QD*
QP = 4-pin Euro-style Pigtail QD

QD models require mating cordset

* Not available in FDA-grade material

Power	Pro models: 12 V dc to 30 V dc IO-Link models: 18 V dc to 30 V dc
Operating Conditions	–40 to 50 °C
Construction	Standard Model Base, Dome, and Nut: Polycarbonate FDA Model Base, Dome, and Nut: FDA-grade copolyester
Environmental Rating	Standard Models: IEC IP67, DIN IP69K (Cabled models also meet DIN IP69K if the cable and cable entrance are protected from high-pressure spray) FDA Models: IEC IP67, DIN IP69K
Certifications	CE UL Pending

Accessories

SMB30A
SMB30FA
SMB30SC
SMB30RAVK
SMBAMS30P
SMBAMS30RA

Pro Editor Accessories
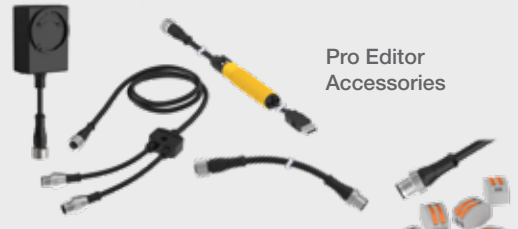
MQDC-506-USB
Pro Converter Cable

CSBM1251FM1251M
Splitter

For more information go to bannerengineering.com

PSW-24-1
Power Supply

ACC-PRO-CABLE5
Mating accessory for cabled and terminal models

MQDC-801-5M-806217
5-pin to 8-pin double-ended cordset

M12/Euro-Style Cordsets
Straight connector models listed; for right-angle, add **RA** to the end of the model (example, **MQDC1-506RA**)

4-Pin (IO-Link)	5-Pin	8-Pin (open shield)
MQDEC-401SS 0.31 m (1.0')	**MQDC1-506** 2 m (6.5')	**MQDC2S-806** 2 m (6.5')
MQDC1-403SS 0.61 m (3.0')	**MQDC1-515** 5 m (15')	**MQDC2S-815** 5 m (15')
MQDC1-406SS 2 m (6.5')	**MQDC1-530** 9 m (30')	**MQDC2S-830** 9 m (30')

M12/ Euro-Style Washdown Cordset (IP69K)
Straight connector models

5-Pin
MQDC-WDSS-0506 2 m (6.5')
MQDC-WDSS-0515 5 m (15')
MQDC-WDSS-0530 9 m (30')

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