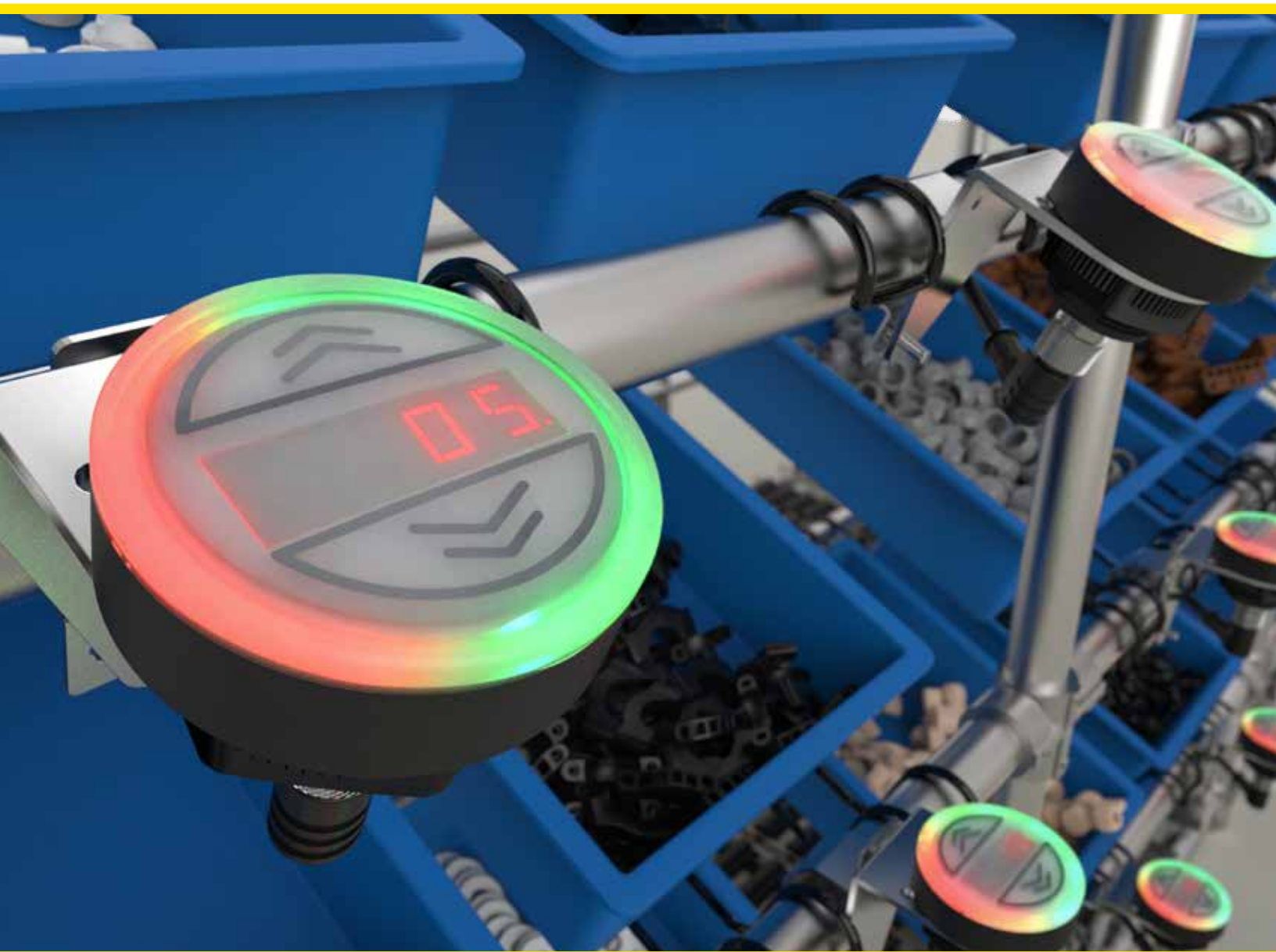


K50 Pro Touch Series



Advanced 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, IO-Link or PICK-IQ

Effectively Interface with Your Equipment



Pro Touch Interface Options	K50 Pro Touch	K50 Pro Touch with IO-Link	K50 Pro Touch with PICK-IQ
Pro Editor Compatible	✓	✗	✗
Discrete Control	✓	✗	✗
Full Control of Touch Logic	✓	✓	✓
IO-Link Control	✗	✓	✗
PICK-IQ 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

PICK-IQ™

5 Advantages of PICK-IQ

1. Create a Fast and Adaptable System
2. Simple Installation and Programming
3. Advanced Animations
4. Multiple Output Settings
5. Reduce Errors and Increase Productivity

Key Features, Modes, and Animations



Customize advanced animation options, logic, and sensor settings

IP69K

High environmental rating



Adjustable touch sensitivity



Audible indication



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



Avoid nuisance maintenance and replacement expense



Immunity to false triggering in washdown environments



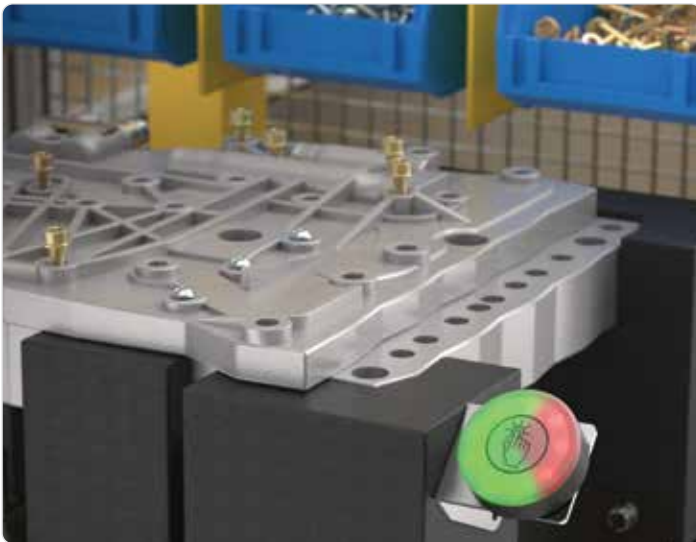
Vibration feedback



50/50 rotate



Flash



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



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

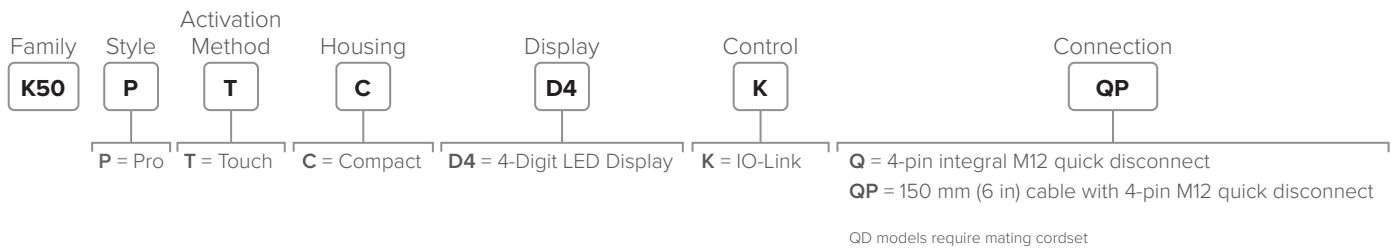


K50 Pro Touch with Display

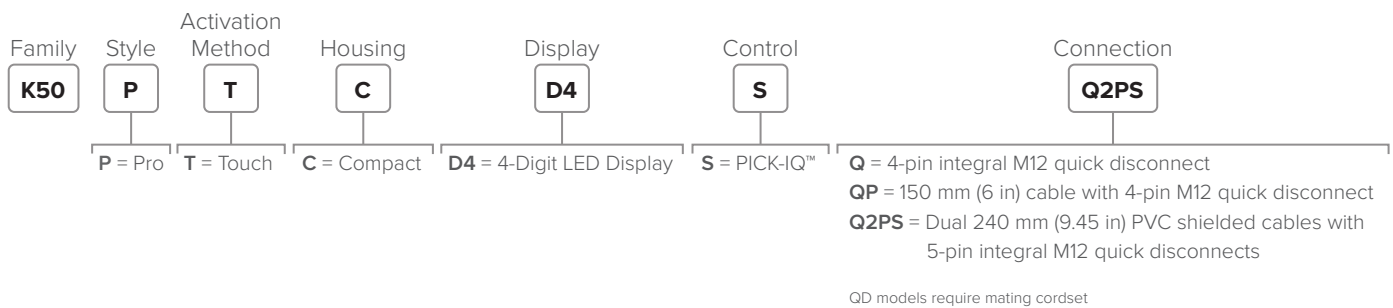
An ideal interface device for pick-to-light, condition monitoring, and general operator interaction in industrial environments. It enables users to clearly communicate status and receive feedback, improving throughput and productivity.

- 4-Digit, 7-segment LED display
- Two independent touch areas
- Excellent immunity to false triggering by water spray, oils, and other foreign materials
- Can be actuated with bare hands or gloves

K50 Pro Touch with Display and IO-Link



K50 Pro Touch with Display and PICK-IQ



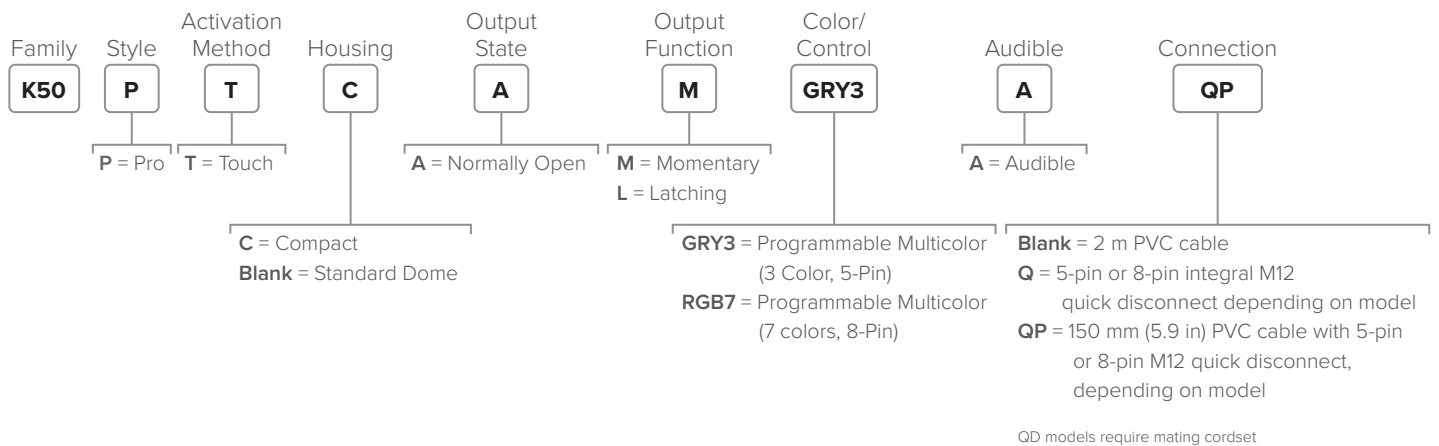


K50 Pro Touch with Audible

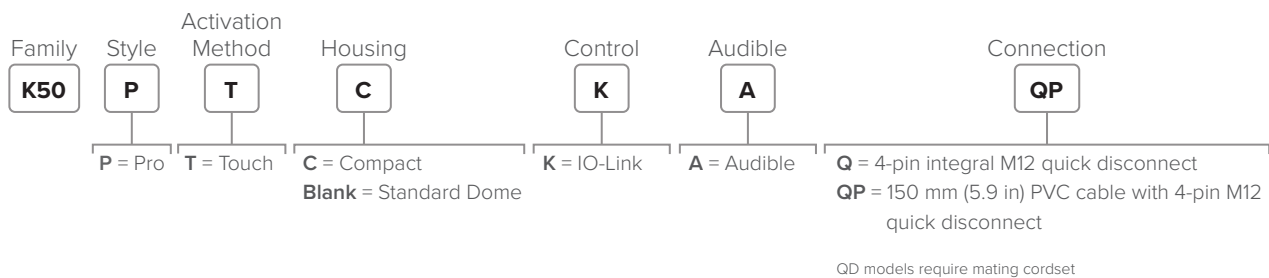
This integral audible alarm has fourteen tones with customization and intensity control, adding a second indication option to already very capable touch-buttons.

- Excellent immunity to false triggering by water spray, detergents, oils, and other foreign materials
- Integral audible can be used as standalone indicator or as an input to touch conditions
- 14 different tones available including intensity and input control
- Can be actuated with bare hands or gloves
- Compact models available for lower profile applications
- Configurable input/output with Pro Editor software

K50 Pro Touch with Audible



K50 Pro Touch with Audible and IO-Link



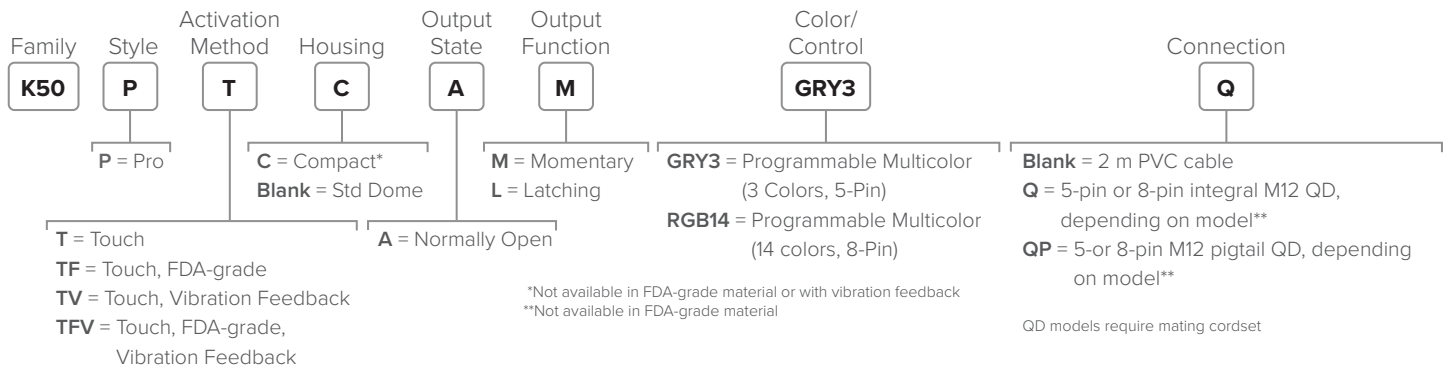


K50 Pro Touch

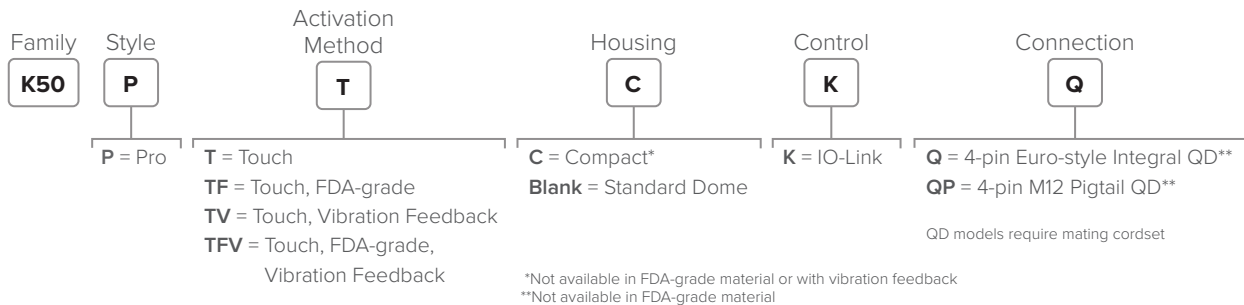
K50 Pro multicolor touch buttons combine proven touch technology and ruggedness with the added versatility of RGB LEDs.

- Bright LED indicators combined with touch-activated switching capabilities
- Advanced touch technology allows for high immunity to water while still working with gloves
- Models made with FDA-approved materials are available for use in the food and beverage industries.
- Up to fourteen color variations in one device (Green, Red, Yellow, Blue, White, Cyan, Magenta, Orange, Amber, Lime Green, Spring Green, Sky Blue, Violet, and Rose)

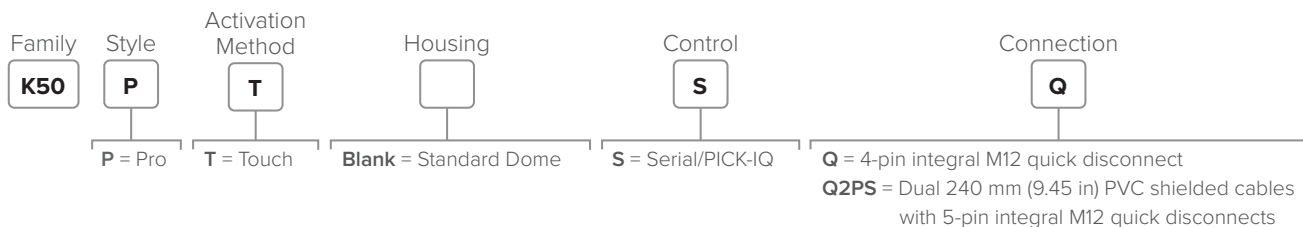
K50 Pro Touch



K50 Pro Touch with IO-Link



K50 Pro Touch with PICK-IQ



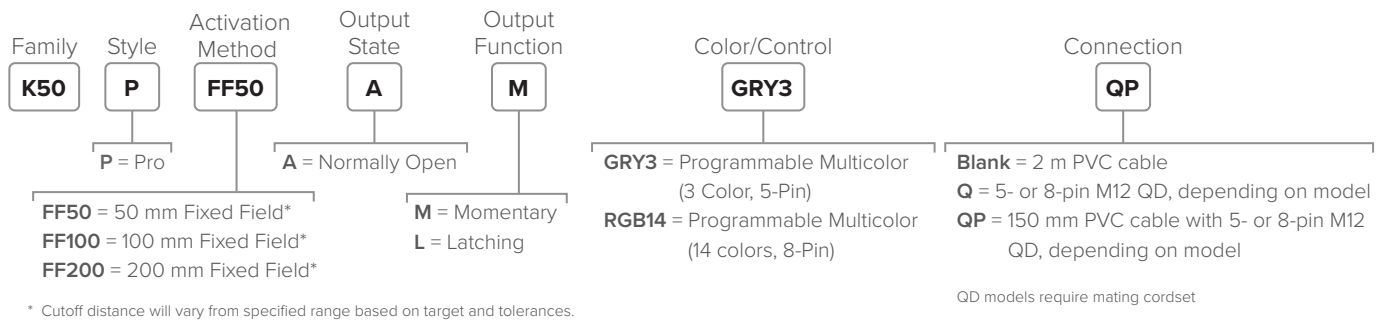
QD models require mating cordset



K50 Pro with Optical Sensor

- Optical sensor eliminates the need for physical touch and reduces time spent on cleaning processes
- Detection can be built into the pick or put process, improving operator performance and throughput
- Models are immune to ambient light, EMI, and RFI interference

K50 Pro with Optical Sensor

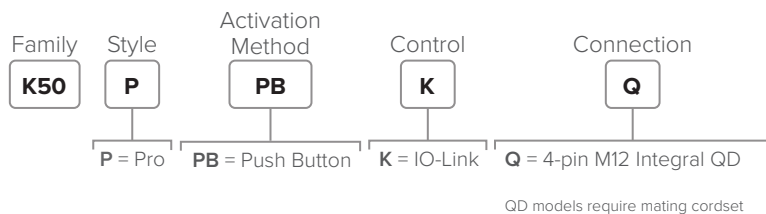


K50 Pro with Push Button




- Mechanical buttons give the classic, tactile feedback
- Physical force is required to activate the button



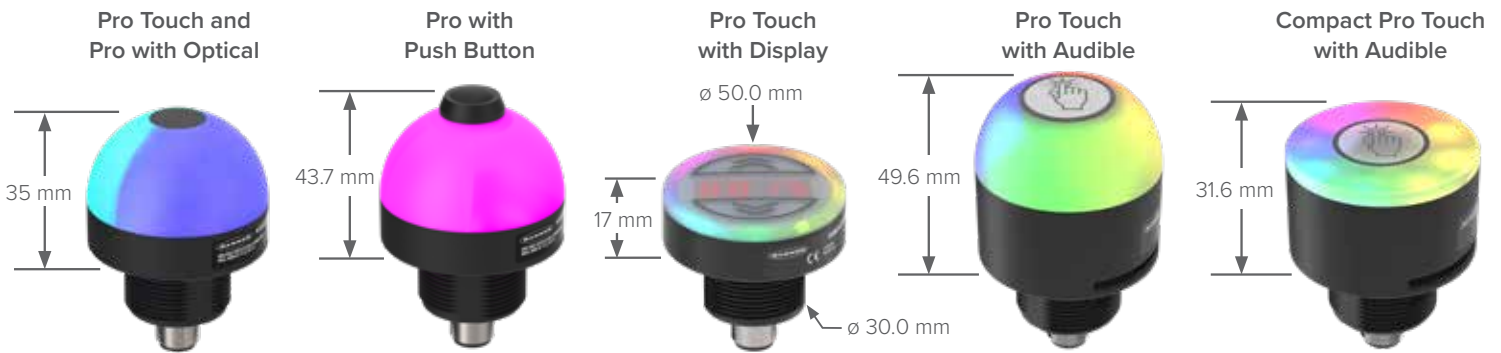
K50 Pro Push Button with IO-Link



Specifications

	Pro Models	Pro Touch with Display Models	Pro Touch with Audible Models
Power	Pro Models: 12 V dc to 30 V dc IO-Link Models: 18 V dc to 30 V dc	Pro Models: 10 V dc to 30 V dc IO-Link Models: 18 V dc to 30 V dc	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	-40 to 50 °C	-40 to 70 °C
Construction	Standard Model Base, Dome, and Nut: Polycarbonate FDA Model Base, Dome, and Nut: FDA-grade copolyester	Base, Dome, and Nut: Polycarbonate	Base, Dome, and Nut: Polycarbonate
Environmental Rating	Standard and Optical Models: IP67, IP69K per DIN 40050-9* FDA Models: IP67, DIN IP69K Push Button Models: IP65	IP67, IP69K per DIN 40050-9*	IP67, IP69K per DIN 40050-9*
Certifications			

*Cabled models also meet DIN IP69K if the cable and cable entrance are protected from high-pressure spray



Accessories



Pro Editor Accessories



MQDC-506-USB
Pro Converter Cable
CSB-M1251FM1251M
Splitter
PSW-24-1
Power Supply
ACC-PRO-CABLE5
Mating accessory for cabled and terminal model
MQDC-801-5M-PRO
5-pin to 8-pin double-ended cordset

M12 Cordset
Straight connector models listed; for right-angle models, add RA to the end of model number (example, MQDC-406RA)

4-Pin
MQDC-406
2 m (6.5')
MQDC-415
5 m (15')
MQDC-430
9 m (30')

5-Pin
MQDC1-506
2 m (6.5')
MQDC1-515
5 m (15')
MQDC1-530
9 m (30')

8-Pin with Shield
MQDC-806
2 m (6.5')
MQDC-815
5 m (15')
MQDC-830
9 m (30')

M12 Double-ended Cordset
Straight connector models

4-Pin (IO-Link)
MQDEC-401SS
0.31 m (1.0')
MQDEC-403SS
0.61 m (3.0')
MQDEC-406SS
2 m (6.5')

M12 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')



For more information go to bannerengineering.com



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