

**Omron Automation & Safety - U.S. Headquarters**

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FQ I/O Cables

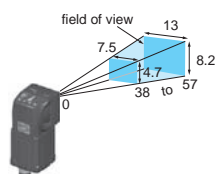
**Specifications**

Type	Input/Output (I/O) Cable
Cable Length	2 m
Configuration Notes	Connect External Input/output (I/O) to Touch Finder

Ordering Information

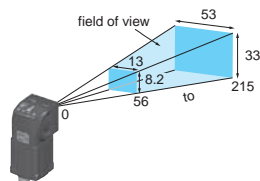
Code Reader

Narrow View



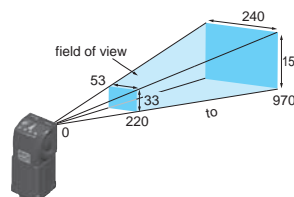
	2D Code Reader	Multi Code Reader
NPN	FQ-CR20010F-M	FQ-CR10010F-M
PNP	FQ-CR25010F-M	FQ-CR15010F-M

Standard



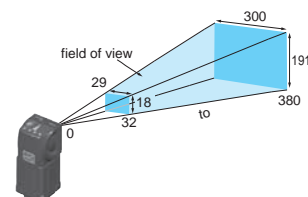
	2D Code Reader	Multi Code Reader
NPN	FQ-CR20050F-M	FQ-CR10050F-M
PNP	FQ-CR25050F-M	FQ-CR15050F-M

Wide View
(Long-distance)



	2D Code Reader	Multi Code Reader
NPN	FQ-CR20100F-M	FQ-CR10100F-M
PNP	FQ-CR25100F-M	FQ-CR15100F-M

(Short-distance)



	2D Code Reader	Multi Code Reader
NPN	FQ-CR20100N-M	FQ-CR10100N-M
PNP	FQ-CR25100N-M	FQ-CR15100N-M

Note: Tolerance (field of view): ±10% max.

Touch Finder

Type	Model
DC power supply	FQ2-D30
AC/DC/battery	FQ2-D31 (See note.)

Note: AC Adapter and Battery are sold separately.

Cables (Robot cable)

Type	Cable length	Model
FQ Ethernet Cables (connect Code Reader to Touch Finder, Code Reader to PC)	2 m	FQ-WN002
	10 m	FQ-WN010
	20 m	FQ-WN020
I/O Cables	2 m	FQ-WD002
	10 m	FQ-WD010
	20 m	FQ-WD020

Industrial Switching Hubs (Recommended)

Appearance	Number of ports	Failure detection	Current consumption	Model
	3	None	0.22 A	W4S1-03B
	5	None	0.22 A	W4S1-05B
		Supported		W4S1-05C

Accessories

Application	Appearance	Name	Model
For Code Reader		Mounting Bracket (enclosed with Code Reader)	FQ-XL
		Mounting Bracket for high-precision sensing* (sold separately)	FQ-XL2
		Polarizing Filter Attachment (enclosed with Code Reader)	FQ-XF1
For Touch Finder		Panel Mounting Adapter	FQ-XPM
		AC Adapter (for models for DC/AC/Battery)	FQ-AC1
		Battery (for models for DC/AC/Battery)	FQ-BAT1
		Touch Pen (enclosed with Touch Finder)	FQ-XT
		Strap	FQ-XH
		SD Card (2 GB)	HMC-SD291

* A mounting Bracket with improved resistance to vibrations and other external stresses that cause displacement of the optical axis and field of view.