PRODUCT NEWS

Product Discontinuation Notices

Signal Converters

OMRON

May 7, 2012

No. 2012151E

Discontinuation Notice of K3FP-SN2-I-I, -DY-I-I, -SL-UI.

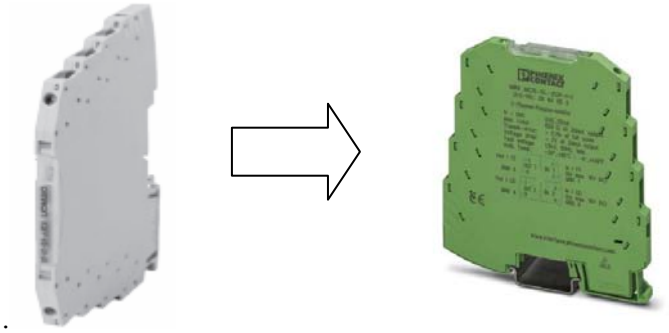
Product Discontinuation	Recommended Replacement
Signal convertor **Model K3FP-SN2-I-I** (loop-powered isolator) **Model K3FP-DY-I-I** (Repeater power supply) **Model K3FP-SL-UI** (Limit value switch)	Signal convertor by PHOENIX CONTACT **Model MINI MCR-SL-2CP-I-I** (loop-powered isolator) **Model MINI MCR-SL-RPS-I-I** (Repeater power supply) **Model MINI MCR-SL-UI-REL** (Limit value switch)

[Discontinuation date]

The end of March, 2013

[Caution on recommended replacement]

The color is diffrent



OMRON PHOENIX CONTACT

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimen -sions	Wire connection	Mounting Dimensions	Charact -eristics	Operation ratings	Operation methods
MINI MCR-SL-2CP-I-I	--	**	**	**	**	**	**
MINI MCR-SL-RPS-I-I	--	**	**	**	**	**	**
MINI MCR-SL-UI-REL	--	**	**	**	**	**	**

** : Fully compatible
* : The change is a little/Almost compatible
-- : Not compatible
- : No corresponding specification

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
K3FP-SN2-I-I	MINI MCR-SL-2CP-I-I
K3FP-DY-I-I	MINI MCR-SL-RPS-I-I
K3FP-SL-UI	MINI MCR-SL-UI-REL

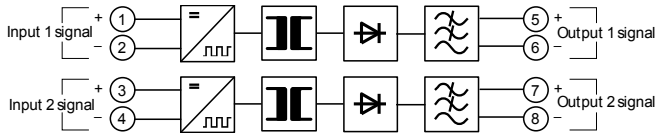
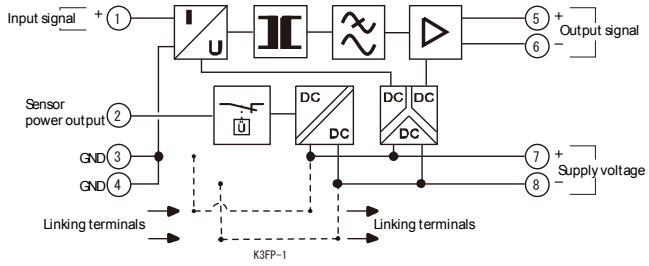
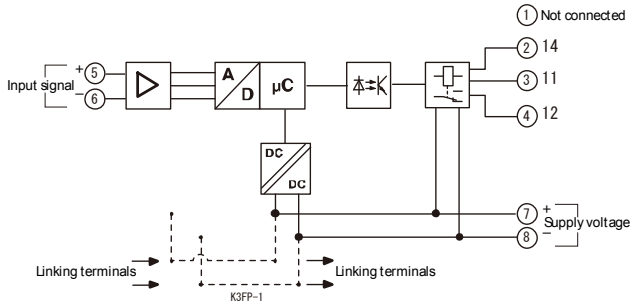
OMRON Corporation Industrial Automation Company

No. ASO-E-12004

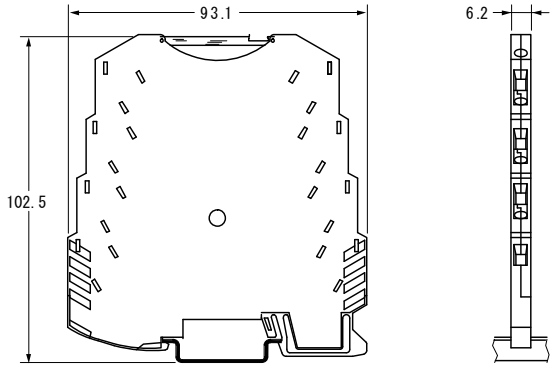
[Body color]

Product discontinuation K3FP-SN2-I-I K3FP-DY-I-I K3FP-SL-UI	Recommendable replacement MINI MCR-SL-2CP-I-I MINI MCR-SL-RPS-I-I MINI MCR-SL-UI-REL
White	Green

[Wire connection]

Product discontinuation K3FP-SN2-I-I K3FP-DY-I-I K3FP-SL-UI	Recommendable replacement MINI MCR-SL-2CP-I-I MINI MCR-SL-RPS-I-I MINI MCR-SL-UI-REL
K3FP-SN2-I-I  **K3FP-DY-I-I**  **K3FP-SL-UI**  	same as on the left

[Dimensions]

Product discontinuation K3FP-SN2-I-I K3FP-DY-I-I K3FP-SL-UI	Recommendable replacement MINI MCR-SL-2CP-I-I MINI MCR-SL-RPS-I-I MINI MCR-SL-UI-REL
	same as on the left

[Characteristics]

Product discontinuation K3FP-SN2-I-I K3FP-DY-I-I K3FP-SL-UI	Recommendable replacement MINI MCR-SL-2CP-I-I MINI MCR-SL-RPS-I-I MINI MCR-SL-UI-REL

K3FP-SN2-I-I

Error		±0.1% FS max.
Other error per 100Ω load		±0.03% of measured value max.
Temperature coefficient per 100Ω load		±0.002% of measured value max. (at 23°C)
Cut-off frequency		75 Hz (3 dB)
Response time (10% to 90%)		5 ms max. (for a 600Ω load)
Insulation resistance		10 MΩ min. between inputs, outputs, and power supply (at 500 V DC)
Dielectric strength		1,500 V AC, 50 Hz, 1 min (between inputs, outputs, and power supply)
Noise resistance		Conforms to IEC 61000
Ambient operating temperature		−20 to 65°C
Ambient storage temperature		−40 to 85°C
Ambient operating humidity		95% max. (with no condensation)
Ambient storage humidity		95% max. (with no condensation)
Connection method		Screw connections (M3)
Tightening torque		0.5 N·m
Connecting cable	Solid wire	0.14 to 2.5 mm²
	Stranded wire	0.2 to 2.5 mm²
	AWG	24 to 12
	Wire stripping length	12 mm
Degree of protection		IP20
Housing material		PBT
Weight		58 g
Safety standards		UL 508

same as on the left

Product discontinuation K3FP-SN2-I-I K3FP-DY-I-I K3FP-SL-UI	Recommendable replacement MINI MCR-SL-2CP-I-I MINI MCR-SL-RPS-I-I MINI MCR-SL-UI-REL

K3FP-DY-I-I

Supply voltage		24 V DC
Allowable supply voltage range		80% to 125% of rated supply voltage
Current consumption		40 mA DC max. (at 24 V DC, including 20 mA load current)
Power consumption		600 mA max.
Error		±0.2% FS max.
Temperature coefficient		0.01%/°C max., Typical: 0.002%/°C max. (at 23C)
Cut-off frequency		100 Hz
Response time (10% to 90%)		3.5 ms max.
Insulation resistance		10 M □ min. between inputs, outputs, and power supply (at 500 V DC)
Dielectric strength		1,500 V AC, 50 Hz, 1 min (between inputs, outputs, and power supply)
Noise resistance		Conforms to IEC 61000
Ambient operating temperature		□20 to 65°C
Ambient storage temperature		□40 to 85°C
Ambient operating humidity		95% max. (with no condensation)
Ambient storage humidity		95% max. (with no condensation)
Connection method		Screw connections (M3)
Tightening torque		0.5 N·m
Connecting cable	Solid wire	0.14 to 2.5 mm²
	Stranded wire	0.2 to 2.5 mm²
	AWG	24 to 12
	Wire stripping length	12 mm
Degree of protection		IP20
Housing material		PBT
Weight		55 g
Safety standards		UL 508

K3FP-SL-UI

Supply voltage		24 V DC
Allowable supply voltage range		80% to 125% of rated supply voltage
Current consumption		15 mA DC max. (at 24 V DC)
Power consumption		450 mW max.
Error		±0.05% FS max.
Temperature coefficient		0.02%/°C max. (at 23°C)
Response time (10% to 90%)		35 ms max.
Insulation resistance		10 M □ min. between inputs, outputs, and power supply (at 500 V DC)
Dielectric strength		1,500 V AC, 50 Hz, 1 min (between inputs, outputs, and power supply)
Noise resistance		Conforms to IEC 61000
Ambient operating temperature		□20 to 65C
Ambient storage temperature		□40 to 85C
Ambient operating humidity		95% max. (with no condensation)
Ambient storage humidity		95% max. (with no condensation)
Connection method		Screw connections (M3)
Tightening torque		0.5 N·m
Connecting cable	Solid wire	0.14 to 2.5 mm²
	Stranded wire	0.2 to 2.5 mm²
	AWG	24 to 12
	Wire stripping length	12 mm
Degree of protection		IP20
Housing material		PBT
Weight		58 g
Safety standards		UL 508

same as on the left

As of May, 2012
In the interest of product improvement, specifications are subject to change without notice.