

### Correction Reissue

## OMRON

# Product Discontinuation Notices

#### << REQUEST >>

There was modification of Product News DRAFT 20230621\_DOP\_00001 of Month Year issue. What we have changed is as follows:

- 1. The final order date has been changed from "end of September 2024" to "end of April 2026" and an additional note has been added.
- 2. The final shipment date has been changed from "end of November 2024" to "end of June 2026".
- 3. The recommended replacement product "D40A-2 series" has been changed from "planned to be released" to "released"

Please abolish old edition, replace the latest.

#### **Product Discontinuation**

#### **Recommended Replacement**

Safety door switch

Safety door switch



**D40Z** series



D41D series or D40A series or D40A-2 series

#### [ Final order entry date ]

The end of April, 2026

\*Please note that the end of production date may be changed due to the availability of parts.

#### [ Date of The Last Shipping ]

The end of June, 2026

#### [ Caution on recommended replacement ]

When using the recommended alternative product D41D series, there is no set model between the switch and the actuator. Please select the switch and actuator respectively before purchasing. In addition, for connection with external devices, please also purchase an accessory (sold separately) connection cable.

The D41D Series is available in Japan, the United States, Canada, EU member states, the United Kingdom, the People's Republic of China, Australia, and New Zealand. If it is used in other regions, it may violate the radio laws of that country.

The D40A and D40A-2 series can be used even in areas where the D41D series cannot be used.

D40A-2 series has the highest compatibility with the D40Z series, and the compatibility of the additional lineup is as follows.

[ Difference from discontinued product ]

Recommended replacement Model	Body Color	Dimen- sions	Wire connection	Mounting Dimensions	Charac- teristics	Operation ratings	Operation methods
D41D Series							
D41D Series (Switch)	*	(*1)		(*1)	*	(*2)	
D41D-A Series (Actuator)	* (*3)	(*1)	-	(*1)	*	*	-
Recommended replacement Model	Body Color	Dimen- sions	Wire connection	Mounting Dimensions	Charac- teristics	Operation ratings	Operation methods
<b>D40A Series</b> (D40A-1C□)	*	*	*	**	* (*4)	*	*
D40A-2 Series (Scheduled to be released in June 2024)	*	*	**(*5)	**	** (*6)	*	**

\*\* : Compatible

\* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[ Product Discontinuation and recommended replacement ]

Product discontinuation	Recommended replacement
	D41D series
	(Switch)D41D-1CD-N1 (Actuator)D41D-A1 or D41D-A2 or D41D-A3
	(Switch) D41D-2CD-025N2 (Actuator)D41D-A1 or D41D-A2 or D41D-A3
	D40A series
D40Z-1C2	D40A-1C2
	D40A-1C015-F
	D40A-2 series
	D40A-2C2
	D40A-2C015-F
	D40A-2D2
	D41D series
	(Switch)D41D-1CD-N1 (Actuator)D41D-A1 or D41D-A2 or D41D-A3
	(Switch) D41D-2CD-025N2 (Actuator)D41D-A1 or D41D-A2 or D41D-A3
D40Z-1C5	D40A series
	D40A-1C5
	D40A-1C015-F
	D40A-2 series
	D40A-2C5
	D40A-2C015-F

<sup>\*1</sup> D41D has different mounting dimensions from D40Z, but the size of the product is smaller than D40Z. (Refer to "Dimensions / Mounting dimensions")

<sup>\*2</sup> D41D has similar detection characteristics to the D40Z. Only the LED display during operation is different.

<sup>\*3</sup> D41D-A2 only large body color change.

<sup>\*4</sup> D40A series is PLd and Category 3.

<sup>\*5</sup> Among D40A-2 series, D40A-□2D□ supports both PNP and NPN auxiliary outputs.

<sup>\*6</sup> D40A-2 series is a PLe, Category 4 compliant product.

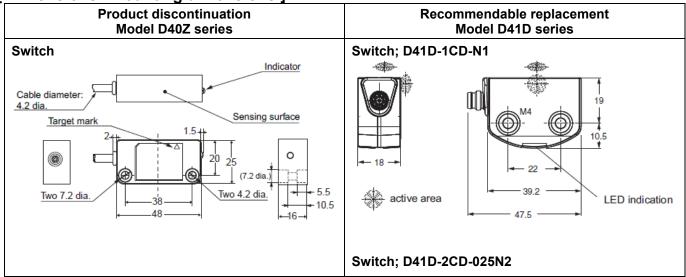
Product discontinuation	Recommended replacement
	D40A-2D5
	D41D series
	D41D-1CD-N1
D40Z-1C2-S	D41D-2CD-025N2
D40Z-1G2-S	D40A-2 series (for D40A-□2□□)
	D40A-S2C2
	D40A-S2D2
	D41D series
	D41D-1CD-N1
D40Z-1C5-S	D41D-2CD-025N2
D40Z-1C5-S	D40A-2 series(for D40A-□2□□)
	D40A-S2C5
	D40A-S2D5
	D41D series
	D41D-A1
D407.40.4	D41D-A2
D40Z-1C-A	D41D-A3
	D40A-2 series(for D40A-□2□□)
	D40A-A2

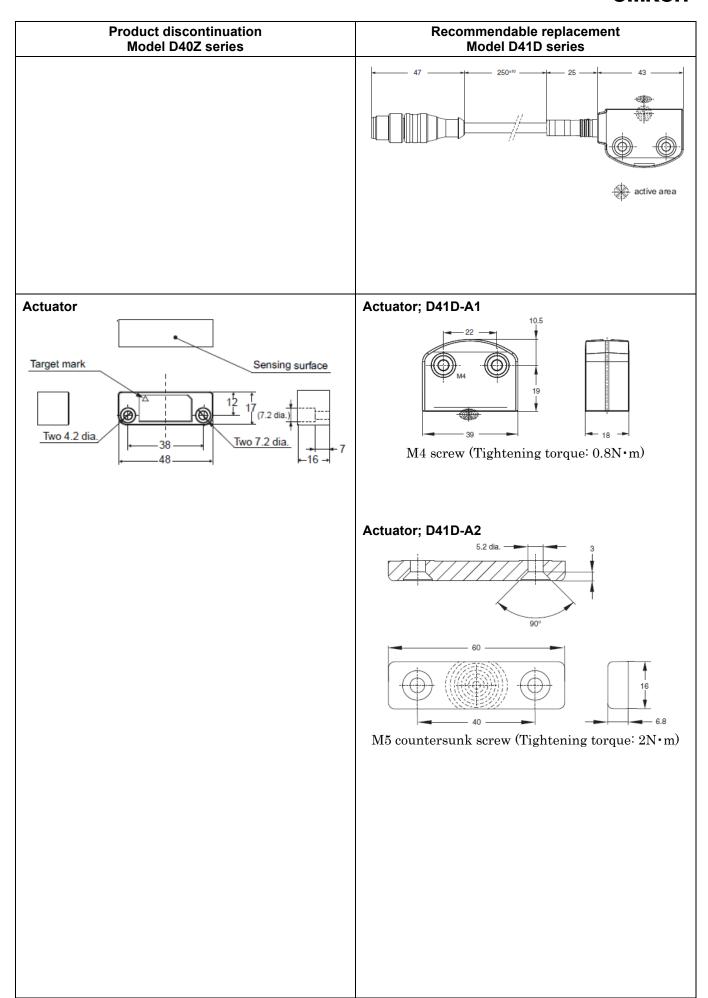
### Recommended Replacement; D41D series

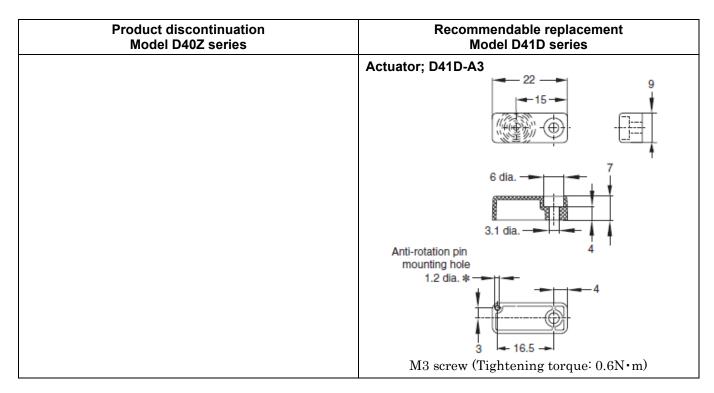
[ Body color ]

Body color J Product discontinuation Model D40Z series	Recommendable replacement Model D41D series
Switch Black, Yellow.	Switch Black, Blue.
Actuator Black, Yellow.	Actuator; D41D-A2 Blue.  Actuator; D41D-A2 Blue.  Actuator; D41D-A3 Black.

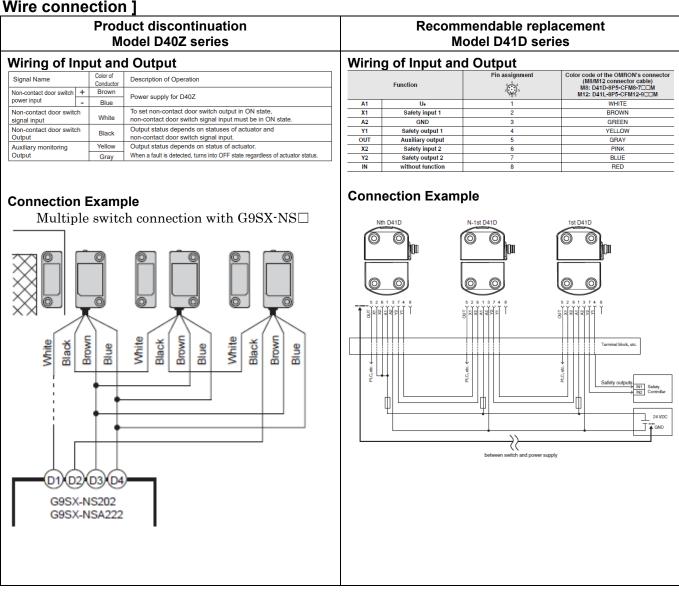
[ Dimensions / Mounting dimensions ]







[ Wire connection ]



Product discontinuation Model D40Z series	Recommendable replacement Model D41D series
Connectable controllers  - Non-Contact Door Switch Controller: G9SX-NS□  - Safety Controller: G9SP  - NX-series Safety Controller: NX-SL / NX-SI	Connectable controllers - Safety Relay Unit: G9SA / G9SB - Flexible Safety Unit: G9SX (Excldes G9SX-NS□) - Safety Controller: G9SP - NX-series Safety Controller: NX-SL / NX-SI - Safety I/O Terminal: GI-SMD / GI-SID

[ Characteristics ]

Item		Product discontinuation Model D40Z series	Recommendable replacement Model D41D series
Detection method		Electromagnetic induction	RFID
Interlock type		Type 4 (EN ISO 14119)	Type 4 (EN ISO 14119)
Coded level		Low level coded (EN ISO 14119)	High level coded (EN ISO 14119)
	Operating distance (OFF> ON)	5 mm min.	10 mm (-10 to 60°C) 6 mm (-10 to 60°C, lateral) 8 mm (-25 to 65°C) 4 mm (-25 to 65°C, lateral)
Operating characteristic	Operating distance (ON> OFF)	15 mm max.	18 mm (lateral actuation: 15 mm)
	Differential travel	20% or less of operating distance at 23 °C C (maximum 2.5 mm)	Less than 2.0 mm
	Repeat accuracy	±10% of operating distance at 23°C	Less than 0.5 mm
Influence of temperature		20% or less of operating distance at 23 °C within temperature range of -10 to 65 °C	-
Ambient operating temperature		-10 to 65 °C (with no icing or condensation)	-25 to 65°C
Ambient operating humidity		25% to 85%	93% max. (non-condensing, non-icing)
Degree of contamination		3	3
Vibration resistance		10 to 55 to 10 Hz (single amplitude: 0.75 mm, double amplitude: 1.5 mm)	10 to 55 Hz, amplitude 1.0 mm
Shock resistance	e	300 m/s <sup>2</sup> min.	30 g/11 ms
Degree of prote	ction	IP67	IP65 and IP67 (IEC 60529)
Material		PBT resin	Thermoplastic PBT (enclosure)
Mounting method		M4 screws	M4 screws: Switches
Terminal screw tightening torque		1 N·m	M4 screws: 0.8 N·m M5 countersunk screw: 2 N•m M3 screws: 0.6 N•m
Power supply voltage		24 VDC +10%/-15%	24 VDC +10%/-15%
Auxiliary monitoring output		Photocoupler output: 24 VDC, load current: 10 mA max	PNP transistors output: 24 VDC, load current: 50 mA max
Connecting cables		Discrete wire (6-wire) cable: 2m, 5m	D41D-1CD-N1: M8 connector, 8-pole, A-coded

Item		Product discontinuation Model D40Z series	Recommendable replacement Model D41D series
			D41D-2CD-025-N2: Connecting cable 0.25 m long with M12 connector
Connecting cab (sold separately		-	M8 connector cable - D41D-8P5-CFM8-7□□M (2 m / 5 m / 10 m) M12 connector cable - D41L-8P5-CFM12-9□□M (5 m / 10 m)
Number of connectable switches		30 max. (wiring length: 100 m max.)	31 max. (wiring length: 100 m max between switch and power supply.)
Weight		Switch: approx. 175 g (D40Z-1C5) Actuator: approx. 20 g	Unit: Less than 50 g Package: Less than 110 g
	Directive	Machinery Directive EMC Directive RoHS Directive WEEE Directive	Machinery Directive RE Directive RoHS Directive WEEE Directive
Standards Certification	Standards	- EN ISO 13849-1 PLe Category 4 - IEC/EN 61508 SIL 3 - IEC/EN 60947-5-3 - EN ISO 14119	- EN ISO 13849-1 PLe Category 4 - IEC/EN 61508 SIL 3 - IEC/EN 60947-5-3 - EN ISO 14119 - EN300 330
	UL Certification	- UL 508 - CAN/CSA C22.2 No.14	- UL 508 - CAN/CSA C22.2 No.14

[ Operation ratings ]

## Product discontinuation Model D40Z series

#### **LED** indicators

Switch status of operation or failure is indicated by two red and yellow LEDs.

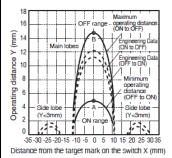
LED color	Status
DED	ON: Switch does NOT detect actuator.
RED	Blinking: Switch detects a fault.
	ON: Switch detects actuator.
YELLOW	Blinking: Switch detects actuator,
	and non-contact door switch signal input is in OFF state.

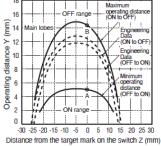
#### Engineering data (reference value)

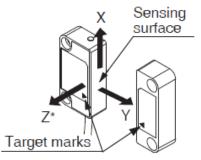
- Detection ranges

The switch and actuator target marks are on the same axis.

The operating distance depending on the deviation in the X or Z direction from the sensing surface matching.







\* The movement of the arrow direction indicates the positive direction on the graph.

## Recommendable replacement Model D41D series

#### **LED** indicators

Switch status of operation or failure is indicated by three red, yellow, and green LEDs.

Switch function	LEDs			
Switch function	Green	Red	Yellow	
Supply voltage	On	Off	Off	
Actuated	On	Off	On	
Actuated in limit area	On	Off	Flashes (1Hz)	
Error warning, switch actuated	Off	Flashes	On	
Ептог	Off	Flashes	On	
Teach actuator	Off	On	Flashes	
Tampering protection time (*1)	Flashes	Off	Off	
Error in input circuit	Flashes	Off	Off	
X1 and/or X2	(1Hz)			
Error in input circuit X1 and/or X2	Flashes (1Hz)	Off	On	

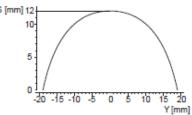
<sup>\*1.</sup> Refer to Teaching

#### Engineering data (reference value)

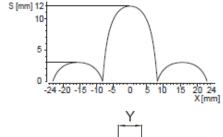
- Operating distance

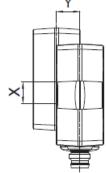
Operating distance of the switch depending on the direction in which the actuator approaches.

#### Transverse misalignment



#### Height misalignment





### ■操作方法

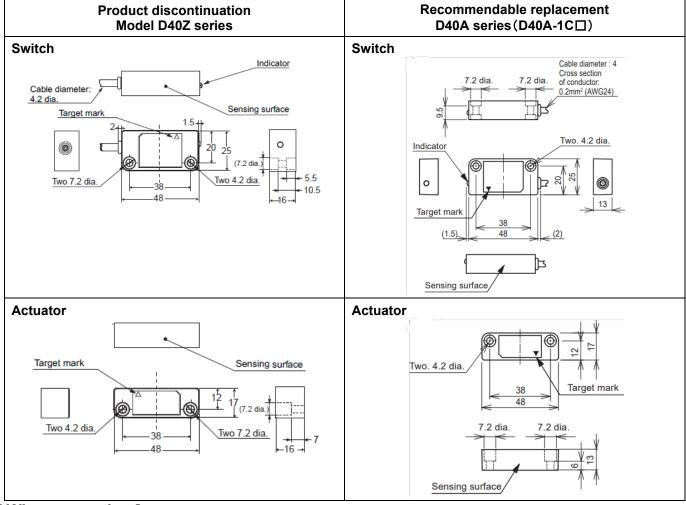
Product discontinuation Model D40Z series	Recommendable replacement Model D41D series
It does not have a teaching procedure.  1. Turn ON.  - For a result of the second of t	Individually coded safety door switch and actuators will require the following teach-in procedure.  2. Move the actuator  3. Turn the power

#### Recommended Replacement; D40A series (D40A-1C□)

[ Body color ]

Product discontinuation Model D40Z series	Recommendable replacement D40A series (D40A-1C□)
Switch Black, Yellow.	Switch Black, White.
Actuator Black, Yellow.	Actuator Black, White.

[ Dimensions ]



[Wire connection]

### **Product discontinuation**

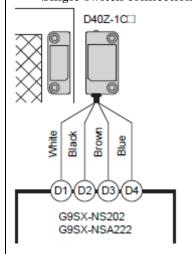
### Model D40Z series

#### Wiring of Input and Output

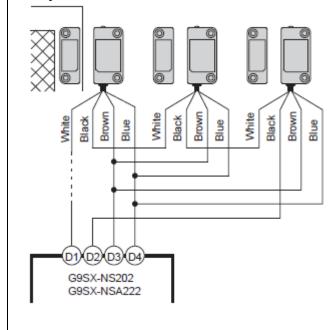
Signal Name		Color of Conductor	Description of Operation	
Non-contact door switch +		Brown	Power supply for D40Z	
power input	-	Blue	Fower supply for D402	
Non-contact door switch signal input		White	To set non-contact door switch output in ON state, non-contact door switch signal input must be in ON state.	
Non-contact door switch Output Black		Black	Output status depends on statuses of actuator and non-contact door switch signal input.	
Auxiliary monitoring Yello		Yellow	Output status depends on status of actuator.	
Output Gra		Gray	When a fault is detected, turns into OFF state regardless of actuator status.	

#### **Connection Example**

Single switch connection with G9SX-NS□



#### Multiple switch connection with G9SX-NS $\square$



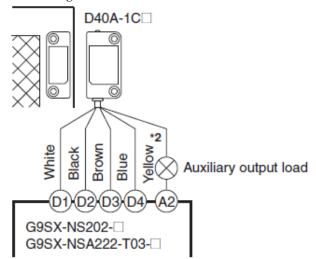
#### Recommendable replacement D40A series (D40A-1C□)

#### Wiring of Input and Output

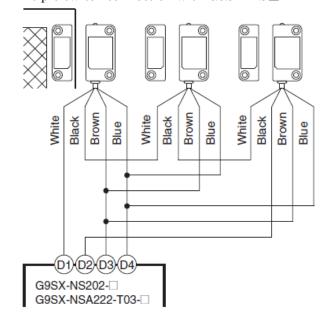
Signal Name		Cable color	Pim number	Description of operation
Non-contact door	n-contact door + brown 1		1	Power supply for D40A.
switch power input	-	blue	3	Connect to D3 terninal and D4 terminal on G9SX-NS□.
Non-contact door switch signal input	1	white	2	Input designated signal from G9SX-NS□.  To set non-contact door switch output in ON state, non-contact door switch input must be in ON state.
Non-contact door switch ou	tput	black	4	Output status depends on actuator status and non-contact door switch input state.
Auxiliary monitoring out (PNP open corrector out		yellow	5	Output when sensor detect actuator.

#### **Connection Example**

Single switch connection with G9SX-NS  $\square$ 



Multiple switch connection with G9SX-NS  $\Box$ 



## Product discontinuation Model D40Z series

## Recommendable replacement D40A series (D40A-1C□)

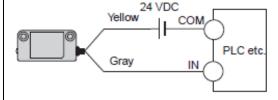
#### Wiring example of auxiliary output

### Wiring example of auxiliary output

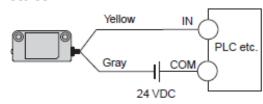
The auxiliary output of D40Z supports the input polarity of both PNP and NPN.

The auxiliary output of D40A-1C $\square$  is PNP only.

#### **PNP**

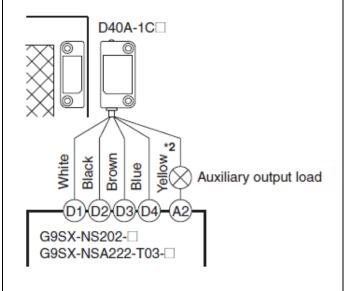


#### NPN



#### Connectable controllers

- Non-Contact Door Switch Controller: G9SX-NS□
- Safety Controller: G9SP
- NX-series Safety Controller: NX-SL / NX-SI



#### Connectable controllers

- Non-Contact Door Switch Controller: G9SX-NS□
- Safety Controller: G9SP
- NX-series Safety Controller: NX-SL / NX-SI

[ Characteristics ]

ltem		Product discontinuation Model D40Z series	Recommendable replacement D40A series (D40A-1C□)
Detection method		Electromagnetic induction method	Magnetic detection
Interlock type		Type 4 (EN ISO 14119)	Type 4 (EN ISO 14119)
Coded level		Low level coded (EN ISO 14119)	Low level coded (EN ISO 14119)
	Operating distance (OFF> ON)	5 mm min.	5 mm min.
_	Operating distance (ON> OFF)	15 mm max.	15 mm max.
Operating characteristics	Differential travel	20% or less of operating distance at 23 °C (maximum 2.5 mm)	20% or less of operating distance at 23 °C (maximum 2.5 mm)
	Repeat accuracy	±10% of operating distance at 23°C	±10% of operating distance at 23°C
Influence of temperature		20% or less of operating distance at 23 °C within temperature range of -10 to 65 °C	20% or less of operating distance at 23 °C within temperature range of -10 to 55 °C
Ambient operating temperature		-10 to 65 °C (with no icing or condensation)	-10 to 55 °C (with no icing or condensation)
Ambient operating humidity		25% to 85%	25% to 85%
Degree of contamination		3	3
Vibration resistance		10 to 55 to 10 Hz (single amplitude: 0.75 mm, double amplitude: 1.5 mm)	10 to 55 to 10 Hz (single amplitude: 0.75 mm, double amplitude: 1.5 mm)

	Item	Product discontinuation Model D40Z series	Recommendable replacement D40A series (D40A-1C□)
Shock resistance		300 m/s <sup>2</sup> min.	300 m/s <sup>2</sup> min.
Degree of protection		IP67	IP67
Material		PBT resin	PBT resin
Mounting metho	od	M4 screws	M4 screws
Terminal screw	tightening torque	1 N·m	1 N·m
Power supply v	oltage	24 VDC +10%/-15%	24 VDC +10%/-15%
Auxiliary monito	oring output	Photocoupler output: 24 VDC, load current: 10 mA max	PNP transistors output: 24 VDC, load current: 10 mA max
Connecting cables		Discrete wire (6-wire) cable: 2m, 5m	D40A-1C2/-1C5(standard type): Discrete wire(5-wire) cable: 2m, 5m D40A-1C015-F (connector type): Connecting cable 0.15 m long with M12 connector (5-pole)
Connecting cables (sold separately)		-	Socket on One Cable End (5-pole connectors):  - XS2F-D521-□G0-A  (2 m / 5 m / 10 m / 15 m / 20 m)  Socket and Plugs on Cable Ends (5-pole connectors):  - XS2W-D521-□G1-A  (2 m / 5 m / 10 m / 15 m / 20 m)
Number of connectable switches		30 max. (wiring length: 100 m max.)	30 max. (wiring length: 100 m max.)
Weight		Switch: approx. 175 g (D40Z-1C5) Actuator: approx. 20 g	Switch: approx. 145 g (D40A-1C5) Actuator: approx. 20 g
	Directive	Machinery Directive EMC Directive RoHS Directive WEEE Directive	Machinery Directive EMC Directive RoHS Directive WEEE Directive
Standards Certification	Standards	- EN ISO 13849-1 PLe Category 4 - IEC/EN 61508 SIL 3 - IEC/EN 60947-5-3 - EN ISO 14119	- EN ISO 13849-1 PLd Category 3 - EN 61508 SIL 3 - EN 60947-5-3 - EN ISO14119
	UL Certification	- UL 508 - CAN/CSA C22.2 No.14	- UL 508 - CAN/CSA C22.2 No.14

#### [ Operation ratings ]

## Product discontinuation Model D40Z series

#### Model D40Z serie

#### **LED** indicators

Switch status of operation or failure is indicated by two red and yellow LEDs.

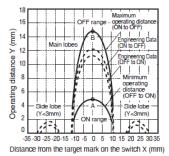
LED color	Status
DED	ON: Switch does NOT detect actuator.
RED	Blinking: Switch detects a fault.
	ON: Switch detects actuator.
YELLOW	Blinking: Switch detects actuator,
	and non-contact door switch signal input is in OFF state

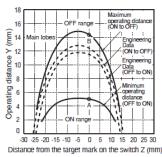
#### Engineering data (reference value)

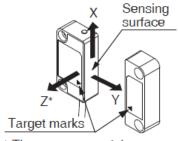
Detection ranges

The switch and actuator target marks are on the same axis.

The operating distance depending on the deviation in the X or Z direction from the sensing surface matching.







\* The movement of the arrow direction indicates the positive direction on the graph.

## Recommendable replacement D40A series (D40A-1C□)

#### **LED** indicators

Switch status of operation is indicated by two red and yellow LEDs.

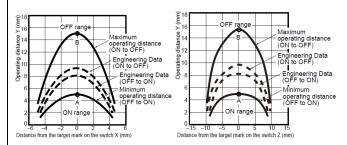
LED color	Status
RED	Sensor does NOT detect actuator
YELLOW	Sensor detect actuator

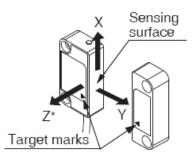
#### Engineering data (reference value)

Detection ranges

The switch and actuator target marks are on the same axis.

The operating distance depending on the deviation in the X or Z direction from the sensing surface matching.





\* The movement of the arrow direction indicates the positive direction on the graph.

#### [ Operation methods ]

Product discontinuation  Model D40Z series	Recommendable replacement D40A series (D40A-1C□)
<b>Teaching</b> It does not have a teaching procedure.	Teaching It does not have a teaching procedure.

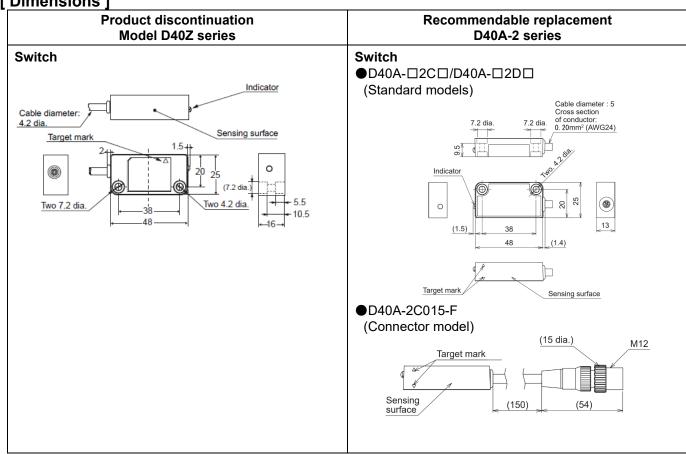
#### Recommended Replacement; D40A-2 series

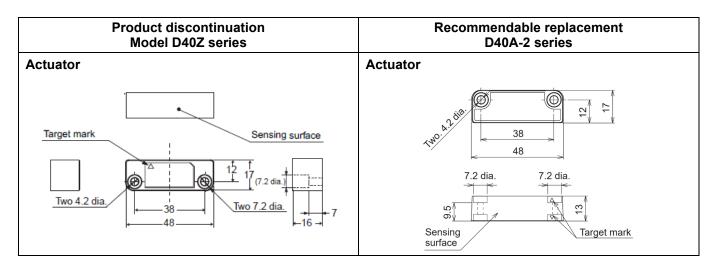
(Comparison with the current lineup. Contact us separately for additional lineup specifications.)

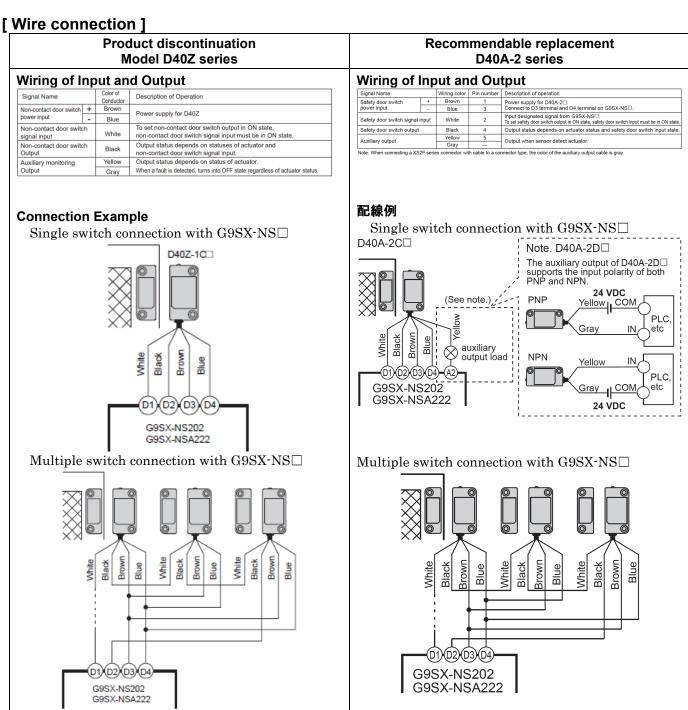
[ Body color ]

Product discontinuation Model D40Z series	Recommendable replacement D40A-2 series
Switch Black, Yellow.	Switch Black, White.
Actuator Black, Yellow.	Actuator Black, White.

[ Dimensions ]





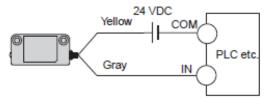


### Product discontinuation Model D40Z series

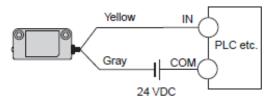
#### Wiring example of auxiliary output

The auxiliary output of D40Z supports the input polarity of both PNP and NPN.

#### **PNP**



#### NPN

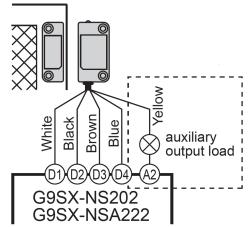


# Recommendable replacement D40A-2 series

#### Wiring example of auxiliary output

#### ●D40A-□2C□

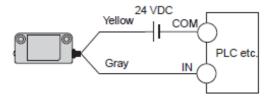
PNP only (PNP transistor output)



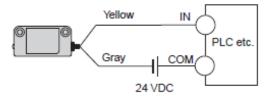
#### ●D40A-□2D□

The auxiliary output of D40A- $\square$ 2D $\square$  supports the input polarity of both PNP and NPN.

#### **PNP**



#### NPN



#### **Connectable controllers**

- Non-Contact Door Switch Controller: G9SX-NS□
- Safety Controller: G9SP
- NX-series Safety Controller: NX-SL / NX-SI

#### **Connectable controllers**

- Non-Contact Door Switch Controller: G9SX-NS  $\square$
- Safety Controller: G9SP
- NX-series Safety Controller: NX-SL / NX-SI

[ Characteristics ]

[ Characteristics ]		Product discontinuation Model D40Z series	Recommendable replacement D40A-2 series
Detection method		Electromagnetic induction method	Magnetic detection
Interlock type		Type 4 (EN ISO 14119)	Type 4 (EN ISO 14119)
Coded level		Low level coded (EN ISO 14119)	Low level coded (EN ISO 14119)
	Operating distance (OFF> ON)	5 mm min.	5 mm min.
	Operating distance (ON> OFF)	15 mm max.	15 mm max.
	Differential travel	20% or less of operating distance at 23 °C (maximum 2.5 mm)	maximum 2.5 mm
Operating characteristics	Repeat accuracy	±10% of operating distance at 23°C	±10% of operating distance at 23°C
	Influence of temperature	20% or less of operating distance at 23 °C within temperature range of -10 to 65 °C	20% or less of operating distance at 23 °C within temperature range of -25 to 70 °C
	Ambient operating temperature	-10 to 65 °C (with no icing or condensation)	-25 to 70 °C (with no icing or condensation)
	Ambient operating humidity	25% to 85%	25% to 85%
Degree of contamination		3	3
Vibration resistance		10 to 55 to 10 Hz (single amplitude: 0.75 mm, double amplitude: 1.5 mm)	10 to 55 Hz (single amplitude: 0.75 mm, double amplitude: 1.5 mm)
Shock resistance	e	300 m/s <sup>2</sup> min.	300 m/s <sup>2</sup> min.
Degree of prote	ction	IP67	IP66/IP67
Material		PBT resin	PBT resin
Mounting metho	od	M4 screws	M4 screws
,	tightening torque	1 N·m	1 N·m
Power supply ve		24 VDC +10%/-15%	24 VDC +10%/-15%
Auxiliary monitoring output		Photocoupler output: 24 VDC, load current: 10 mA max	D40A-□2C□ : 24 VDC, 50 mA (PNP transistor output) D40A-□2D□ : 24 VDC, 20 mA (photocoupler output)
Connecting cables		Discrete wire (6-wire) cable: 2m, 5m	●D40A-□2C□ D40A-2C2/-2C5(standard type): Discrete wire(5-wire) cable:2m,5m  D40A-2C015-F (connector type): Connecting cable 0.15 m long with M12 connector (5-pole)  ●D40A-□2D□ D40A-□2D□ D40A-2D2/-2D5(standard type): Discrete wire (6-wire) cable: 2m, 5m

Ite	m	Product discontinuation Model D40Z series	Recommendable replacement D40A-2 series
Connecting cables (sold separately)		-	Socket on One Cable End (5-pole connectors):  - XS2F-D521-□G0-A (2 m / 5 m / 10 m / 15 m / 20 m) Socket and Plugs on Cable Ends (5-pole connectors):  - XS2W-D521-□G1-A (2 m / 5 m / 10 m / 15 m / 20 m)
Number of connectable switches  Weight		30max. (wiring length: 100 m max.)	30 max. (wiring length: 200 m max.)  *Use the product under the following conditions for in-series connection.  •Auxiliary output load  When using G9SX-NS202  Possible for up to 15 Units  16 to 20 Units 30mA max.  21 to 30 Units 20mA max.  When using G9SX-NSA222  Possible for up to 30 Units  •Wiring length  •Wiring length  •Wiring length  (Note)
			G9SX-NS202 G9SX-NSA222  Note. The wiring length between the products must be 100 m max.  Switch: approx. 215 g (D40A-2C5)
		Switch: approx. 175 g (D40Z-1C5) Actuator: approx. 20 g	Actuator: approx. 25 g  Switch: approx. 225 g (D40Z-2D5) Actuator: approx. 25 g
	Directive	Machinery Directive EMC Directive RoHS Directive WEEE Directive	Machinery Directive EMC Directive RoHS Directive WEEE Directive
Standards Certification	Standards	- EN ISO 13849-1 PLe Category 4 - IEC/EN 61508 SIL 3 - IEC/EN 60947-5-3 - EN ISO 14119	- EN ISO 13849-1 PLe Category 4 - IEC/EN 61508 SIL 3 - IEC/EN 60947-5-3 - EN ISO 14119
	UL Certification	- UL 508 - CAN/CSA C22.2 No.14	- UL 508 - CAN/CSA C22.2 No.14

[ Operation ratings ]

## Product discontinuation Model D40Z series

#### LED indicators

Switch status of operation or failure is indicated by two red and yellow LEDs.

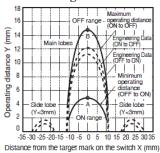
LED color	Status
DED	ON: Switch does NOT detect actuator.
RED	Blinking: Switch detects a fault.
	ON: Switch detects actuator.
YELLOW	Blinking: Switch detects actuator,
	and non-contact door switch signal input is in OFF state.

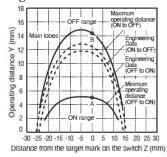
#### Engineering data (reference value)

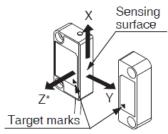
Detection ranges

The switch and actuator target marks are on the same axis.

The operating distance depending on the deviation in the X or Z direction from the sensing surface matching.







\* The movement of the arrow direction indicates the positive direction on the graph.

## Recommendable replacement D40A-2 series

#### **LED** indicators

Switch status of operation is indicated by two red and yellow LEDs.

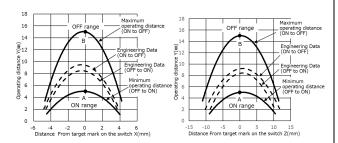
LED color	Status
Red	Sensor does NOT detect actuator
Yellow	Sensor detect actuator

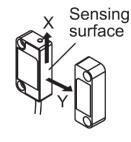
#### Engineering data (reference value)

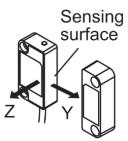
Detection ranges

The switch and actuator target marks are on the same axis.

The operating distance depending on the deviation in the X or Z direction from the sensing surface matching.







[ Operation methods ]

Product discontinuation Model D40Z series	Recommendable replacement D40A-2 series	
Teaching It does not have a teaching procedure.	Teaching It does not have a teaching procedure.	

#### [ Notes on Mounting ]

The mounting orientation of the D40A-2 series is a little different than the D40Z.

#### **Product discontinuation** Model D40Z series

#### **Correct mounting**

#### **Correct mounting**

Switch is printed on both sides and has a screw hole construction that allows mounting on either side.

The actuator is printed on one side only and can only be mounted with the printed side facing out due to the screw hole construction.

Mount the switch and actuator by aligning the target



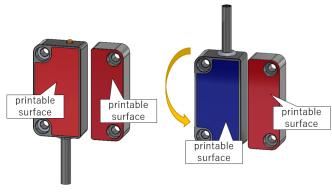
Switches and actuators have a printed side on one side only and are constructed with screw holes that allow mounting either with the printed side facing out or

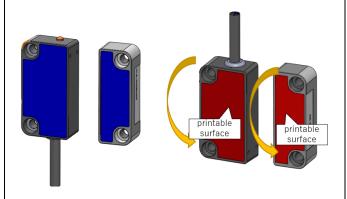
Recommendable replacement

D40A-2 series

The switch and actuator should be mounted so that the respective target marks on the sensing surface are aligned.

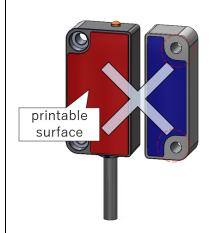
The target mark can be aligned by aligning the printing surfaces or the backs of the printing surfaces with each other.





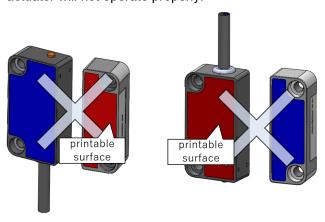
#### Incorrect mounting

Due to the structure of the screw holes, the actuator cannot be mounted with the printed side on the reverse side.



#### Incorrect mounting

If the mounting surfaces of the switch and the actuator do not match (i.e., the print face and the back of the print face), the target marks will not match and the actuator will not operate properly.



Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.