

Product Discontinuation

MOS FET Relay

**Model G3VM-61A1
Model G3VM-61D1
Model G3VM-61D1(TR)****Recommended Replacement**

MOS FET Relay

**Model G3VM-61AY1
Model G3VM-61DY1
Model G3VM-61DY1(TR05)****Model G3VM-61B
Model G3VM-61E
Model G3VM-61E(TR)****Model G3VM-61AY1
Model G3VM-61DY1
Model G3VM-61DY1(TR05)****Model G3VM-61B1
Model G3VM-61E1
Model G3VM-61E1(TR)****Model G3VM-61AY1
Model G3VM-61DY1
Model G3VM-61DY1(TR05)****Model G3VM-62C1
Model G3VM-62F1
Model G3VM-62F1(TR)****Model G3VM-61AY1
Model G3VM-61DY1
Model G3VM-61DY1(TR05)
Use 2 pcs. each****Model G3VM-351A
Model G3VM-351D
Model G3VM-351D(TR)****Model G3VM-351AY1
Model G3VM-351DY1
Model G3VM-351DY1(TR05)****Model G3VM-351B
Model G3VM-351E
Model G3VM-351E(TR)****Model G3VM-351AY1
Model G3VM-351DY1
Model G3VM-351DY1(TR05)****Model G3VM-352C
Model G3VM-352F
Model G3VM-352F(TR)****Model G3VM-351AY1
Model G3VM-351DY1
Model G3VM-351DY1(TR05)
Use 2 pcs. each****Model G3VM-401A
Model G3VM-401D
Model G3VM-401D(TR)****Model G3VM-401AY1
Model G3VM-401DY1
Model G3VM-401DY1(TR05)**

Product Discontinuation

MOS FET Relay

Model G3VM-401B
Model G3VM-401E
Model G3VM-401E(TR)

Recommended Replacement

MOS FET Relay

Model G3VM-401AY1
Model G3VM-401DY1
Model G3VM-401DY1(TR05)



Model G3VM-402C
Model G3VM-402F
Model G3VM-402F(TR)

Model G3VM-401AY1
Model G3VM-401DY1
Model G3VM-401DY1(TR05)
Use 2 pcs. each

[Final order entry date]

End of December, 2023

[Date of The Last Shipping]

End of March, 2024

[Caution on recommended replacement]

Some products differ in body color, dimensions, wire connection and mounting dimensions, but characteristics, operation ratings and operation methods are almost compatible.

Since the G3VM-□C□/F□/F□(TR) product is the 2a type, please use two recommended replacement 1a type products.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Recommendation against Model G3VM-61A1/D1/D1(TR): Model G3VM-61AY1 Model G3VM-61DY1 Model G3VM-61DY1(TR05)	--	**	**	**	*	*	**
Recommendation against Model G3VM-61B/E/E(TR): Model G3VM-61AY1 Model G3VM-61DY1 Model G3VM-61DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-61B1/E1/E1(TR): Model G3VM-61AY1 Model G3VM-61DY1 Model G3VM-61DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-62C1/F1/F1(TR): Model G3VM-61AY1 Model G3VM-61DY1 Model G3VM-61DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-351A/D/D(TR): Model G3VM-351AY1 Model G3VM-351DY1 Model G3VM-351DY1(TR05)	--	**	**	**	*	*	**

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Recommendation against Model G3VM-351B/E/E(TR): Model G3VM-351AY1 Model G3VM-351DY1 Model G3VM-351DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-352C/F/F(TR): Model G3VM-351AY1 Model G3VM-351DY1 Model G3VM-351DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-401A/D/D(TR): Model G3VM-401AY1 Model G3VM-401DY1 Model G3VM-401DY1(TR05)	--	**	**	**	*	*	**
Recommendation against Model G3VM-401B/E/E(TR): Model G3VM-401AY1 Model G3VM-401DY1 Model G3VM-401DY1(TR05)	--	--	--	--	*	*	**
Recommendation against Model G3VM-402C/F/F(TR): Model G3VM-401AY1 Model G3VM-401DY1 Model G3VM-401DY1(TR05)	--	--	--	--	*	*	**

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

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
Model G3VM-61A1	Model G3VM-61AY1
Model G3VM-61D1	Model G3VM-61DY1
Model G3VM-61D1(TR)	Model G3VM-61DY1(TR05)
Model G3VM-61B	Model G3VM-61AY1
Model G3VM-61E	Model G3VM-61DY1
Model G3VM-61E(TR)	Model G3VM-61DY1(TR05)
Model G3VM-61B1	Model G3VM-61AY1
Model G3VM-61E1	Model G3VM-61DY1
Model G3VM-61E1(TR)	Model G3VM-61DY1(TR05)
Model G3VM-62C1	Model G3VM-61AY1 Use 2 pcs.
Model G3VM-62F1	Model G3VM-61DY1 Use 2 pcs.
Model G3VM-62F1(TR)	Model G3VM-61DY1(TR05) Use 2 pcs.

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
Model G3VM-351A	Model G3VM-351AY1
Model G3VM-351D	Model G3VM-351DY1
Model G3VM-351D(TR)	Model G3VM-351DY1(TR05)
Model G3VM-351B	Model G3VM-351AY1
Model G3VM-351E	Model G3VM-351DY1
Model G3VM-351E(TR)	Model G3VM-351DY1(TR05)
Model G3VM-352C	Model G3VM-351AY1 Use 2 pcs.
Model G3VM-352F	Model G3VM-351DY1 Use 2 pcs.
Model G3VM-352F(TR)	Model G3VM-351DY1(TR05) Use 2 pcs.
Model G3VM-401A	Model G3VM-401AY1
Model G3VM-401D	Model G3VM-401DY1
Model G3VM-401D(TR)	Model G3VM-401DY1(TR05)
Model G3VM-401B	Model G3VM-401AY1
Model G3VM-401E	Model G3VM-401DY1
Model G3VM-401E(TR)	Model G3VM-401DY1(TR05)
Model G3VM-402C	Model G3VM-401AY1 Use 2 pcs.
Model G3VM-402F	Model G3VM-401DY1 Use 2 pcs.
Model G3VM-402F(TR)	Model G3VM-401DY1(TR05) Use 2 pcs.

[Body color]

Product discontinuation	Recommendable replacement
Model G3VM-61A1, -61D1, -61D1(TR) Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-401A, -401D, -401D(TR) Model G3VM-401B, -401E, -401E(TR) Model G3VM-402C, -402F, -402F(TR)	Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)
White	Black

[Dimensions]

Product discontinuation		Recommendable replacement	
Model G3VM-61A1, -61D1, -61D1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-401A, -401D, -401D(TR)		Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)	
Model G3VM-61A1, -351A, -401A 	Model G3VM-61D, -61D1(TR), -351D, -351D(TR), -401D, -401D(TR) 	Same as Left	Same as Left

[Dimensions]

<p>Product discontinuation Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-401B, -401E, -401E(TR)</p>		<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>	
<p>Model G3VM-61B, -61B1, -351B, -401B</p>	<p>Model G3VM-61E, -61E(TR), -61E1, -61E1(TR), -351E, -351E(TR), -401E, -401E(TR)</p>	<p>Model G3VM-61AY1, -351AY1, -401AY1</p>	<p>Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)</p>

<p>Product discontinuation Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-402C, -402F, -402F(TR)</p>		<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05) Use 2 pcs. each</p>	
<p>Model G3VM-62C1, -352C, -402C</p>	<p>Model G3VM-62F1, -62F1(TR), -352F, -352F(TR), -402F, -402F(TR)</p>	<p>Model G3VM-61AY1, -351AY1, -401AY1</p>	<p>Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)</p>

[Wire connection]

<p>Product discontinuation Model G3VM-61A1, -61D1, -61D1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-401A, -401D, -401D(TR)</p>	<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>
<p>(TOP VIEW)</p>	<p>Same as Left</p>

[Wire connection]

<p>Product discontinuation Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-401B, -401E, -401E(TR)</p>	<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>
<p>(TOP VIEW)</p>	<p>(TOP VIEW)</p>

<p>Product discontinuation Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-402C, -402F, -402F(TR)</p>	<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05) Use 2 pcs. each</p>
<p>(TOP VIEW)</p>	<p>(TOP VIEW)</p>

[Mounting dimensions]

<p>Product discontinuation Model G3VM-61A1, -61D1, -61D1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-401A, -401D, -401D(TR)</p>		<p>Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)</p>	
<p>Model G3VM-61A1, -351A, -401A</p> <p>Bottom View</p>	<p>Model G3VM-61D1, -61D1(TR), -351D, -351D(TR), -401D, -401D(TR)</p> <p>Top View</p>	<p>Model G3VM-61AY1, -351AY1, -401AY1</p> <p>Bottom View</p> <p>Same as left</p>	<p>Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)</p> <p>Top View</p> <p>Same as left</p>

[Mounting dimensions]

Product discontinuation Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-401B, -401E, -401E(TR)		Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)	
Model G3VM-61B, -61B1, -351B, -401B	Model G3VM-61E, -61E(TR), -61E1, -61E1(TR), -351E, -351E(TR), -401E, -401E(TR)	Model G3VM-61AY1, -351AY1, -401AY1	Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)
Bottom View 	Top View 	Bottom View 	Top View

Product discontinuation Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-402C, -402F, -402F(TR)		Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05) Use 2 pcs. each	
Model G3VM-62C1, -352C, -402C	Model G3VM-62F1, -62F1(TR), -352F, -352F(TR), -402F, -402F(TR)	Model G3VM-61AY1, -351AY1, -401AY1	Model G3VM-61DY1, -61DY1(TR05), -351DY1, -351DY1(TR05), -401DY1, -401DY1(TR05)
Bottom View 	Top View 	Bottom View 	Top View

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-61A1	G3VM-61D1 G3VM-61D1(TR)		G3VM-61AY1	G3VM-61DY1 G3VM-61DY1(TR05)		
Type										
Package				DIP4			DIP4			
Contact form				1a(SPST-NO)			1a(SPST-NO)			
Terminal structure				PCB Terminals		Surface-mounting Terminals	PCB Terminals		Surface-mounting Terminals	
Absolute maximum Rating			Symbol	Unit	Rating			Rating		
Input	LED forward current		I_F	mA	50			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	60			60		
	Continuous load current		I_O	mA	500			500		
Dielectric strength between input and output			V_{iO}	Vrms	2,500			5,000		
Operating Temperature			T_a	°C	-40	~	+ 85	-40	~ + 85	
Storage Temperature			T_{sig}	°C	-55	~	+ 125	-55	~ + 125	
Electrical Characteristics			Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage		V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1.6	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON		R_{ON}	Ω	-	1	2	-	0.6	2
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	-	-	1
	Capacitance between terminals		C_{OFF}	pF	-	130	-	-	130	-
Capacitance between I/O terminals			C_{iO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{iO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.8	2	-	1	3
Turn-OFF time			t_{OFF}	ms	-	0.1	0.5	-	0.2	1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-61B	G3VM-61E G3VM-61E(TR)		G3VM-61AY1	G3VM-61DY1 G3VM-61DY1(TR05)		
Type										
Package				DIP6			DIP4			
Contact form				1a(SPST-NO)			1a(SPST-NO)			
Terminal structure				PCB Terminals		Surface-mounting Terminals	PCB Terminals		Surface-mounting Terminals	
Absolute maximum Rating			Symbol	Unit	Rating			Rating		
Input	LED forward current		I_F	mA	50			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	60			60		
	Continuous load current	Connection A	I_O	mA	500			500		
		Connection B			500			-		
		Connection C			1,000			-		
Dielectric strength between input and output		V_{IO}	Vrms	2,500			5,000			
Operating Temperature		T_a	°C	-40	~	+ 85	-40	~	+ 85	
Storage Temperature		T_{stg}	°C	-55	~	+ 125	-55	~	+ 125	
Electrical Characteristics			Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage		V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	-	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	Connection A	R_{ON}	Ω	-	1	2	-	0.6	2
		Connection B			-	0.5	1	-	-	-
		Connection C			-	0.25	-	-	-	-
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	-	-	1
Capacitance between terminals		C_{OFF}	pF	-	130	-	-	130	-	
Capacitance between I/O terminals		C_{IO}	pF	-	0.8	-	-	0.8	-	
Insulation resistance between I/O terminals		R_{IO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-	
Turn-ON time		t_{ON}	ms	-	0.6	2	-	1	3	
Turn-OFF time		t_{OFF}	ms	-	0.1	1	-	0.2	1	

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-61B1	G3VM-61E1 G3VM-61E1(TR)		G3VM-61AY1	G3VM-61DY1 G3VM-61DY1(TR05)		
Type										
Package				DIP6			DIP4			
Contact form				1a(SPST-NO)			1a(SPST-NO)			
Terminal structure				PCB Terminals		Surface-mounting Terminals	PCB Terminals		Surface-mounting Terminals	
Absolute maximum Rating			Symbol	Unit	Rating			Rating		
Input	LED forward current		I_F	mA	50			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	60			60		
	Continuous load current	Connection A	I_O	mA	500			500		
		Connection B			500			-		
		Connection C			1,000			-		
Dielectric strength between input and output		V_{IO}	Vrms	2,500			5,000			
Operating Temperature		T_a	°C	-40	~	+ 85	-40	~	+ 85	
Storage Temperature		T_{sig}	°C	-55	~	+ 125	-55	~	+ 125	
Electrical Characteristics			Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage		V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1.6	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	Connection A	R_{ON}	Ω	-	1	2	-	0.6	2
		Connection B			-	0.5	1	-	-	-
		Connection C			-	0.25	-	-	-	-
	Current leakage when the relay is open		I_{LEAK}	μA	-	-	1	-	-	1
Capacitance between terminals		C_{OFF}	pF	-	130	-	-	130	-	
Capacitance between I/O terminals		C_{IO}	pF	-	0.8	-	-	0.8	-	
Insulation resistance between I/O terminals		R_{IO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-	
Turn-ON time		t_{ON}	ms	-	0.8	2	-	1	3	
Turn-OFF time		t_{OFF}	ms	-	0.1	0.5	-	0.2	1	

[Characteristics / Operation ratings]

Item			Product Discontinuation			Recommended Replacement			
			G3VM-62C1	G3VM-62F1 G3VM-62F1(TR)		G3VM-61AY1	G3VM-61DY1 G3VM-61DY1(TR05)		
Use 2 pcs. each									
Type									
Package			DIP8			DIP4			
Contact form			2a(DPST-NO)			1a(SPST-NO)			
Terminal structure			PCB Terminals	Surface-mounting Terminals		PCB Terminals	Surface-mounting Terminals		
Absolute maximum Rating		Symbol	Unit	Rating			Rating		
Input	LED forward current	I_F	mA	50			30		
	Repetitive peak LED forward current	I_{FP}	A	1			1		
	LED reverse voltage	V_R	V	5			5		
Output	Load Voltage(AC/DC)	V_{OFF}	V	60			60		
	Continuous load current	I_O	mA	500			500		
Dielectric strength between input and output		V_{I-O}	Vrms	2,500			5,000		
Operating Temperature		T_a	°C	-40	~	+ 85	-40	~ + 85	
Storage Temperature		T_{stg}	°C	-55	~	+ 125	-55	~ + 125	
Electrical Characteristics		Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage	V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current	I_{FT}	mA	-	1.6	3	0.6	-	3
	Release LED Forward Current	I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	R_{ON}	Ω	-	1	2	-	0.6	2
	Current leakage when the relay is open	I_{LEAK}	μ A	-	-	1	-	-	1
	Capacitance between terminals	C_{OFF}	pF	-	130	-	-	130	-
Capacitance between I/O terminals		C_{I-O}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals		R_{I-O}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time		t_{ON}	ms	-	0.8	2	-	1	3
Turn-OFF time		t_{OFF}	ms	-	0.1	0.5	-	0.2	1

[Characteristics / Operation ratings]

Item			Product Discontinuation			Recommended Replacement		
			G3VM-351A	G3VM-351D G3VM-351D(TR)		G3VM-351AY1	G3VM-351DY1 G3VM-351DY1(TR05)	
Type								
Package			DIP4			DIP4		
Contact form			1a(SPST-NO)			1a(SPST-NO)		
Terminal structure			PCB Terminals	Surface-mounting Terminals		PCB Terminals	Surface-mounting Terminals	
Absolute maximum Rating			Symbol	Unit	Rating			Rating
Input	LED forward current		I_F	mA	50			30
	Repetitive peak LED forward current		I_{FP}	A	1			1
	LED reverse voltage		V_R	V	5			5
Output	Load Voltage(AC/DC)		V_{OFF}	V	350			350
	Continuous load current		I_O	mA	120			100
Dielectric strength between input and output			V_{IO}	Vrms	2,500			5,000
Operating Temperature			T_a	°C	-40	~	+ 85	-40 ~ + 85
Storage Temperature			T_{stg}	°C	-55	~	+ 125	-55 ~ + 125
Electrical Characteristics			Symbol	Unit	Min.	Typ.	Max	Min. Typ. Max
Input	LED Forward voltage		V_F	V	1	1.15	1.3	1.1 1.27 1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6 - 3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1 - -
Output	Maximum resistance with output ON		R_{ON}	Ω	-	35	50	- 35 50
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	- - 1
	Capacitance between terminals		C_{OFF}	pF	-	30	-	- 30 -
Capacitance between I/O terminals			C_{IO}	pF	-	0.8	-	- 0.8 -
Insulation resistance between I/O terminals			R_{IO}	M Ω	1000	1.00E+08	-	1000 1.00E+08 -
Turn-ON time			t_{ON}	ms	-	0.3	1	- 0.3 2
Turn-OFF time			t_{OFF}	ms	-	0.1	1	- 0.1 1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-351B	G3VM-351E G3VM-351E(TR)		G3VM-351AY1	G3VM-351DY1 G3VM-351DY1(TR05)		
Type										
Package				DIP6			DIP4			
Contact form				1a(SPST-NO)			1a(SPST-NO)			
Terminal structure				PCB Terminals		Surface-mounting Terminals	PCB Terminals		Surface-mounting Terminals	
Absolute maximum Rating			Symbol	Unit	Rating			Rating		
Input	LED forward current		I_F	mA	50			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	350			350		
	Continuous load current	Connection A	I_O	mA	120			100		
		Connection B			120			-		
		Connection C			240			-		
Dielectric strength between input and output			V_{IO}	Vrms	2,500			5,000		
Operating Temperature			T_a	°C	-40	~	+ 85	-40	~	+ 85
Storage Temperature			T_{stg}	°C	-55	~	+ 125	-55	~	+ 125
Electrical Characteristics			Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage		V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	Connection A	R_{ON}	Ω	-	35	50	-	35	50
		Connection B			-	28	40	-	-	-
		Connection C			-	14	20	-	-	-
	Current leakage when the relay is open		I_{LEAK}	μA	-	-	1	-	-	1
Capacitance between terminals		C_{OFF}	pF	-	30	-	-	30	-	
Capacitance between I/O terminals			C_{IO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{IO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.3	1	-	0.3	2
Turn-OFF time			t_{OFF}	ms	-	0.1	1	-	0.1	1

[Characteristics / Operation ratings]

Item	Product Discontinuation			Recommended Replacement					
	G3VM-352C	G3VM-352F G3VM-352F(TR)		G3VM-351AY1	G3VM-351DY1 G3VM-351DY1(TR05)				
Use 2 pcs. each									
Type									
Package		DIP8			DIP4				
Contact form		2a(DPST-NO)			1a(SPST-NO)				
Terminal structure		PCB Terminals	Surface-mounting Terminals		PCB Terminals	Surface-mounting Terminals			
Absolute maximum Rating		Symbol	Unit	Rating		Rating			
Input	LED forward current	I_F	mA	50		30			
	Repetitive peak LED forward current	I_{FP}	A	1		1			
	LED reverse voltage	V_R	V	5		5			
Output	Load Voltage(AC/DC)	V_{OFF}	V	350		350			
	Continuous load current	I_O	mA	120		100			
Dielectric strength between input and output		V_{IO}	Vrms	2,500		5,000			
Operating Temperature		T_a	°C	-40	~	+ 85	-40	~	+ 85
Storage Temperature		T_{stg}	°C	-55	~	+ 125	-55	~	+ 125
Electrical Characteristics		Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage	V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current	I_{FT}	mA	-	1	3	0.6	-	3
	Release LED Forward Current	I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	R_{ON}	Ω	-	35	50	-	35	50
	Current leakage when the relay is open	I_{LEAK}	μ A	-	-	1	-	-	1
	Capacitance between terminals	C_{OFF}	pF	-	30	-	-	30	-
Capacitance between I/O terminals		C_{IO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals		R_{IO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time		t_{ON}	ms	-	0.3	1	-	0.3	2
Turn-OFF time		t_{OFF}	ms	-	0.1	1	-	0.1	1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-401A	G3VM-401D G3VM-401D(TR)		G3VM-401AY1	G3VM-401DY1 G3VM-401DY1(TR05)		
Type										
Package				DIP4			DIP4			
Contact form				1a(SPST-NO)			1a(SPST-NO)			
Terminal structure				PCB Terminals		Surface-mounting Terminals	PCB Terminals		Surface-mounting Terminals	
Absolute maximum Rating			Symbol	Unit	Rating			Rating		
Input	LED forward current		I_F	mA	50			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	400			400		
	Continuous load current		I_O	mA	120			120		
Dielectric strength between input and output			V_{IO}	Vrms	2,500			5,000		
Operating Temperature			T_a	°C	-40	~	+ 85	-40	~ + 85	
Storage Temperature			T_{stg}	°C	-55	~	+ 125	-55	~ + 125	
Electrical Characteristics			Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage		V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON		R_{ON}	Ω	-	18	35	-	22	35
	Current leakage when the relay is open		I_{LEAK}	uA	-	-	1	-	-	1
	Capacity between terminals		C_{OFF}	pF	-	40	-	-	80	-
Capacity between I/O terminals			C_{IO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{IO}	MΩ	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	-	1	-	0.6	2
Turn-OFF time			t_{OFF}	ms	-	-	1	-	0.2	1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-401B	G3VM-401E G3VM-401E(TR)		G3VM-401AY1	G3VM-401DY1 G3VM-401DY1(TR05)		
Type										
Package				DIP6			DIP4			
Contact form				1a(SPST-NO)			1a(SPST-NO)			
Terminal structure				PCB Terminals		Surface-mounting Terminals	PCB Terminals		Surface-mounting Terminals	
Absolute maximum Rating			Symbol	Unit	Rating			Rating		
Input	LED forward current		I_F	mA	50			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	400			400		
	Continuous load current	Connection A	I_O	mA	120			120		
		Connection B			120			-		
		Connection C			240			-		
Dielectric strength between input and output			V_{IO}	Vrms	2,500			5,000		
Operating Temperature			T_a	°C	-40	~	+ 85	-40	~	+ 85
Storage Temperature			T_{sig}	°C	-55	~	+ 125	-55	~	+ 125
Electrical Characteristics			Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage		V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON	Connection A	R_{ON}	Ω	-	17	35	-	22	35
		Connection B			-	11	20	-	-	-
		Connection C			-	6	10	-	-	-
	Current leakage when the relay is open		I_{LEAK}	μA	-	-	1	-	-	1
Capacitance between terminals		C_{OFF}	pF	-	40	-	-	80	-	
Capacitance between I/O terminals			C_{IO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{IO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	0.3	1	-	0.6	2
Turn-OFF time			t_{OFF}	ms	-	0.1	1	-	0.2	1

[Characteristics / Operation ratings]

Item				Product Discontinuation			Recommended Replacement			
				G3VM-402C	G3VM-402F G3VM-402F(TR)		G3VM-401AY1	G3VM-401DY1 G3VM-401DY1(TR05)		
Use 2 pcs. each										
Type										
Package				DIP8			DIP4			
Contact form				2a(DPST-NO)			1a(SPST-NO)			
Terminal structure				PCB Terminals		Surface-mounting Terminals	PCB Terminals		Surface-mounting Terminals	
Absolute maximum Rating			Symbol	Unit	Rating			Rating		
Input	LED forward current		I_F	mA	50			30		
	Repetitive peak LED forward current		I_{FP}	A	1			1		
	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	400			400		
	Continuous load current		I_O	mA	120			120		
Dielectric strength between input and output			V_{IO}	Vrms	2,500			5,000		
Operating Temperature			T_a	°C	-40	~	+ 85	-40	~ + 85	
Storage Temperature			T_{stg}	°C	-55	~	+ 125	-55	~ + 125	
Electrical Characteristics			Symbol	Unit	Min.	Typ.	Max	Min.	Typ.	Max
Input	LED Forward voltage		V_F	V	1	1.15	1.3	1.1	1.27	1.4
	Trigger LED Forward Current		I_{FT}	mA	-	1	3	0.6	-	3
	Release LED Forward Current		I_{FC}	mA	0.1	-	-	0.1	-	-
Output	Maximum resistance with output ON		R_{ON}	Ω	-	18	35	-	22	35
	Current leakage when the relay is open		I_{LEAK}	μ A	-	-	1	-	-	1
	Capacitance between terminals		C_{OFF}	pF	-	-	-	-	80	-
Capacitance between I/O terminals			C_{IO}	pF	-	0.8	-	-	0.8	-
Insulation resistance between I/O terminals			R_{IO}	M Ω	1000	1.00E+08	-	1000	1.00E+08	-
Turn-ON time			t_{ON}	ms	-	-	1	-	0.6	2
Turn-OFF time			t_{OFF}	ms	-	-	1	-	0.2	1

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.