PRODUCT NEWS

Product Discontinuation Notices

OMRON

Issue Date
November 30, 2022

20221115_DOP_00002

Product Discontinuation MOS FET Relay		Recommended Replacement MOS FET Relay
Model G3VM-61A1 **Model G3VM-61D1** **Model G3VM-61D1(TR)**	→	**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	Recommended Replacement MOS FET Relay
Model G3VM-401B **Model G3VM-401E** **Model G3VM-401E(TR)**	**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	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	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	Dimen-sions	Wire connection	Mounting Dimensions	Charac-teristics	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.

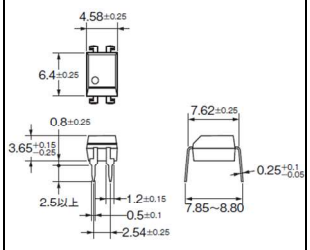
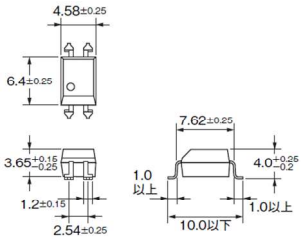
[Product Discontinuation and recommended replacement]

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.

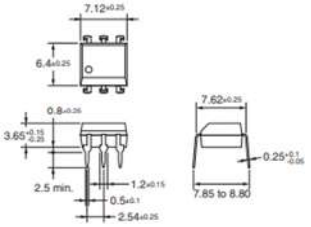
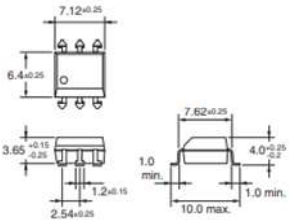
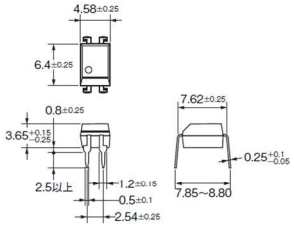
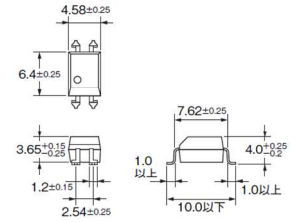
[Body color]

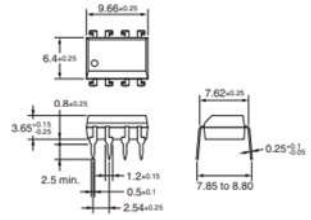
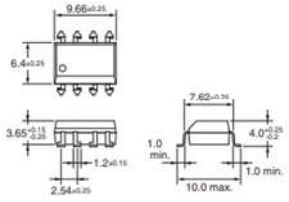
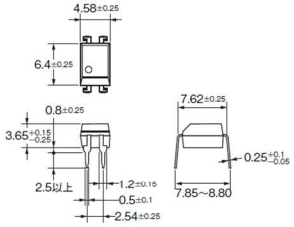
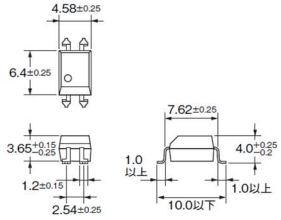
Product discontinuation **Model G3VM-61A1, -61D1, -61D1(TR)** **Model G3VM-61B, -61E, -61E(TR)** **Model G3VM-61B1, -61E1, -61E1(TR)** **Model G3VM-62C1, -62F1, -62F1(TR)** **Model G3VM-351A, -351D, -351D(TR)** **Model G3VM-351B, -351E, -351E(TR)** **Model G3VM-352C, -352F, -352F(TR)** **Model G3VM-401A,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

[Dimensions]

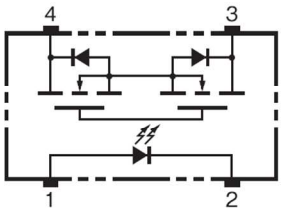
Product discontinuation **Model G3VM-61A1, -61D1, -61D1(TR)** **Model G3VM-351A, -351D, -351D(TR)** **Model G3VM-401A, -401D, -401D(TR)**		**Recommendable replacement** **Model G3VM-61AY1, -61DY1, -61DY1(TR05)** **Model G3VM-351AY1, -351DY1, -351DY1(TR05)** **Model G3VM-401AY1, -401DY1, -401DY1(TR05**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

[Dimensions]

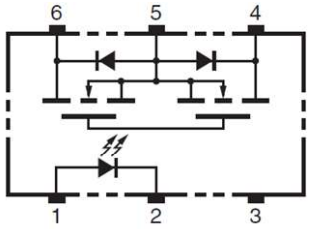
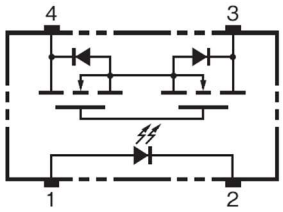
Product discontinuation Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-401B, -401E, -401E(TR)		Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)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

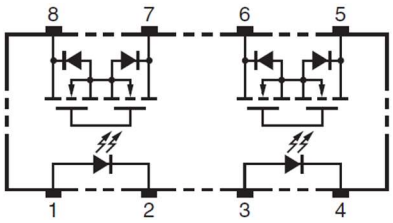
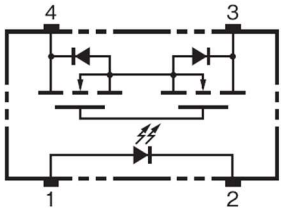
Product discontinuation Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-402C, -402F, -402F(TR)		Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05) Use 2 pcs. each	
Model G3VM-62C1,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

[Wire connection]

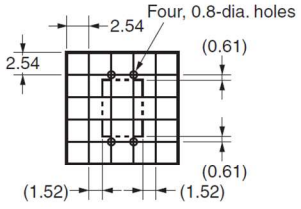
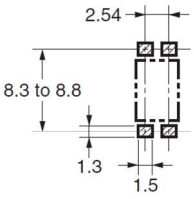
Product discontinuation ModelG3VM-61A1, -61D1, -61D1(TR) Model G3VM-351A, -351D, -351D(TR) Model G3VM-401A, -401D, -401D(TR)	Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)
(TOP VIEW)  	Same as Left

[Wire connection]

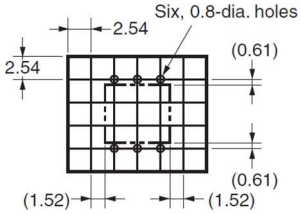
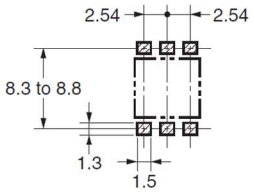
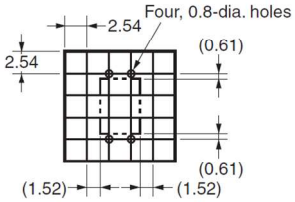
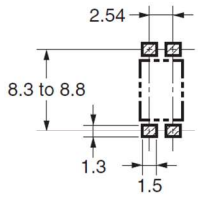
Product discontinuation Model G3VM-61B, -61E, -61E(TR) Model G3VM-61B1, -61E1, -61E1(TR) Model G3VM-351B, -351E, -351E(TR) Model G3VM-401B, -401E, -401E(TR)	Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05)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

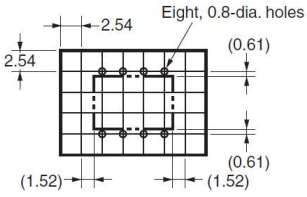
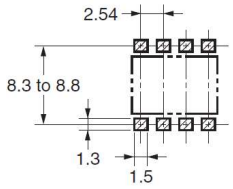
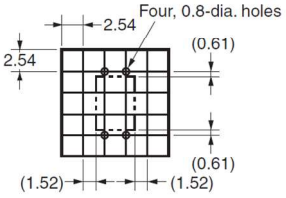
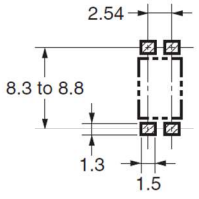
Product discontinuation Model G3VM-62C1, -62F1, -62F1(TR) Model G3VM-352C, -352F, -352F(TR) Model G3VM-402C, -402F, -402F(TR)	Recommendable replacement Model G3VM-61AY1, -61DY1, -61DY1(TR05) Model G3VM-351AY1, -351DY1, -351DY1(TR05) Model G3VM-401AY1, -401DY1, -401DY1(TR05) Use 2 pcs. each
(TOP VIEW)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

[Mounting dimensions]

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

[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	
Input	Repetitive peak LED forward current	I_{FP}	A	1		1	
Input	LED reverse voltage	V_R	V	5		5	
Output	Load Voltage(AC/DC)	V_{OFF}	V	60		60	
Output	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	℃	−40 ～ + 85		−40 ～ + 85	
Storage Temperature		T_{stg}	℃	−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
Input	Trigger LED Forward Current	I_{FT}	mA	–	1.6 / 3	0.6	– / 3
Input	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
Output	Current leakage when the relay is open	I_{LEAK}	uA	–	– / 1	–	– / 1
Output	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}	MΩ	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	
Input	Repetitive peak LED forward current		I_{FP}	A	1		1	
Input	LED reverse voltage		V_R	V	5		5	
Output	Load Voltage(AC/DC)		V_{OFF}	V	60		60	
Output	Continuous load current	Connection A	I_O	mA	500		500	
Output	Continuous load current	Connection B	I_O	mA	500		–	
Output	Continuous load current	Connection C	I_O	mA	1,000		–	
Dielectric strength between input and output			V_{I-O}	Vrms	2,500		5,000	
Operating Temperature			T_a	℃	−40	～ + 85	−40	～ + 85
Storage Temperature			T_{stg}	℃	−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
Input	Trigger LED Forward Current		I_{FT}	mA	–	– / 3	0.6	– / 3
Input	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
Output	Maximum resistance with output ON	Connection B	R_{ON}	Ω	–	0.5 / 1	–	– / –
Output	Maximum resistance with output ON	Connection C	R_{ON}	Ω	–	0.25 / –	–	– / –
Output	Current leakage when the relay is open		I_{LEAK}	uA	–	– / 1	–	– / 1
Output	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}	MΩ	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_{I-O} / Vrms	2,500		5,000	
	Operating Temperature			T_a / ℃	−40 ～ + 85		−40 ～ + 85	
	Storage Temperature			T_{stg} / ℃	−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} / uA	–	– / 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} / MΩ	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	℃	−40	～	+ 85	−40	～	+ 85
	Storage Temperature		T_{stg}	℃	−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}	uA	–	–	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}	MΩ	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	
Input	Repetitive peak LED forward current	I_{FP}	A	1		1	
Input	LED reverse voltage	V_R	V	5		5	
Output	Load Voltage(AC/DC)	V_{OFF}	V	350		350	
Output	Continuous load current	I_O	mA	120		100	
	Dielectric strength between input and output	V_{I-O}	Vrms	2,500		5,000	
	Operating Temperature	T_a	℃	−40 ～ + 85		−40 ～ + 85	
	Storage Temperature	T_{stg}	℃	−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
Input	Trigger LED Forward Current	I_{FT}	mA	−	1 / 3	0.6	− / 3
Input	Release LED Forward Current	I_{FC}	mA	0.1	− / −	0.1	− / −
Output	Maximum resistance with output ON	R_{ON}	Ω	−	35 / 50	−	35 / 50
Output	Current leakage when the relay is open	I_{LEAK}	uA	−	− / 1	−	− / 1
Output	Capacitance between terminals	C_{OFF}	pF	−	30 / −	−	30 / −
	Capacitance between I/O terminals	C_{I-O}	pF	−	0.8 / −	−	0.8 / −
	Insulation resistance between I/O terminals	R_{I-O}	MΩ	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_{I-O}	Vrms	2,500		5,000	
	Operating Temperature			T_a	℃	−40 ～ + 85		−40 ～ + 85	
	Storage Temperature			T_{stg}	℃	−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}	uA	–	–	1	–	–	1
		Capacitance between terminals		C_{OFF}	pF	–	30	–	–	30	–
	Capacitance between I/O terminals			C_{I-O}	pF	–	0.8	–	–	0.8	–
	Insulation resistance between I/O terminals			R_{I-O}	MΩ	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	
Input	Repetitive peak LED forward current	I_{FP}	A	1		1	
Input	LED reverse voltage	V_R	V	5		5	
Output	Load Voltage(AC/DC)	V_{OFF}	V	350		350	
Output	Continuous load current	I_O	mA	120		100	
	Dielectric strength between input and output	V_{I-O}	Vrms	2,500		5,000	
	Operating Temperature	T_a	℃	−40 ～ + 85		−40 ～ + 85	
	Storage Temperature	T_{stg}	℃	−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
Input	Trigger LED Forward Current	I_{FT}	mA	–	1 / 3	0.6	– / 3
Input	Release LED Forward Current	I_{FC}	mA	0.1	– / –	0.1	– / –
Output	Maximum resistance with output ON	R_{ON}	Ω	–	35 / 50	–	35 / 50
Output	Current leakage when the relay is open	I_{LEAK}	uA	–	– / 1	–	– / 1
Output	Capacitance between terminals	C_{OFF}	pF	–	30 / –	–	30 / –
	Capacitance between I/O terminals	C_{I-O}	pF	–	0.8 / –	–	0.8 / –
	Insulation resistance between I/O terminals	R_{I-O}	MΩ	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		
Input	Repetitive peak LED forward current	I_{FP}	A	1			1		
Input	LED reverse voltage	V_R	V	5			5		
Output	Load Voltage(AC/DC)	V_{OFF}	V	400			400		
Output	Continuous load current	I_O	mA	120			120		
Dielectric strength between input and output		V_{I-O}	Vrms	2,500			5,000		
Operating Temperature		T_a	℃	−40	～	+ 85	−40	～	+ 85
Storage Temperature		T_{stg}	℃	−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
Input	Trigger LED Forward Current	I_{FT}	mA	–	1	3	0.6	–	3
Input	Release LED Forward Current	I_{FC}	mA	0.1	–	–	0.1	–	–
Output	Maximum resistance with output ON	R_{ON}	Ω	–	18	35	–	22	35
Output	Current leakage when the relay is open	I_{LEAK}	uA	–	–	1	–	–	1
Output	Capacity between terminals	C_{OFF}	pF	–	40	–	–	80	–
Capacity between I/O terminals		C_{I-O}	pF	–	0.8	–	–	0.8	–
Insulation resistance between I/O terminals		R_{I-O}	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_{I-O}	Vrms	2,500		5,000	
	Operating Temperature			T_a	℃	−40 ～ + 85		−40 ～ + 85	
	Storage Temperature			T_{stg}	℃	−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}	uA	–	–	1	–	–	1
		Capacitance between terminals		C_{OFF}	pF	–	40	–	–	80	–
	Capacitance between I/O terminals			C_{I-O}	pF	–	0.8	–	–	0.8	–
	Insulation resistance between I/O terminals			R_{I-O}	MΩ	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		
Input	Repetitive peak LED forward current		I_{FP}	A	1			1		
Input	LED reverse voltage		V_R	V	5			5		
Output	Load Voltage(AC/DC)		V_{OFF}	V	400			400		
Output	Continuous load current		I_O	mA	120			120		
	Dielectric strength between input and output		V_{I-O}	Vrms	2,500			5,000		
	Operating Temperature		T_a	℃	−40	～	+ 85	−40	～	+ 85
	Storage Temperature		T_{stg}	℃	−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
Input	Trigger LED Forward Current		I_{FT}	mA	–	1	3	0.6	–	3
Input	Release LED Forward Current		I_{FC}	mA	0.1	–	–	0.1	–	–
Output	Maximum resistance with output ON		R_{ON}	Ω	–	18	35	–	22	35
Output	Current leakage when the relay is open		I_{LEAK}	uA	–	–	1	–	–	1
Output	Capacitance between terminals		C_{OFF}	pF	–	–	–	–	80	–
	Capacitance between I/O terminals		C_{I-O}	pF	–	0.8	–	–	0.8	–
	Insulation resistance between I/O terminals		R_{I-O}	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

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