

**Product Discontinuation
Notices**

General Purpose Relays

Issue Date
June 1, 2020

No. 2020018CE(2)

**Discontinuation Notice of General Purpose Relays Model MK-S(X) series,
Dedicated sockets Model P7M(F) series and Hold-down Clip Model
PYC-A2.****<< REQUEST >>**

There was modification in portion of Product Discontinuation notices of Product News No. 2020018CE of March 2020 issue. What we have changed is as follows; Add LT to the end of some recommended replacement Weidmüller products.

Please abolish old edition, replace the latest No. 2020018CE(2).

Product Discontinuation

General Purpose Relays

< Models for DC Loads >

Model MK-S(X) series

General Purpose Relays

< Models for AC Loads >

Model MK-S(X) series

Dedicated sockets

Model P7M(F) series

Hold-down Clip

Model PYC-A2**Recommended Replacement**

Weidmüller

Model DRH series

General Purpose Relays

**Model G2R series or
Model MK-S series****No recommended replacement****No recommended replacement****[Final order entry date]**

The end of March, 2022

[Date of The Last Shipping]

The end of June, 2022

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
Model DRH series	--	--	--	--	--	*	*
Model G2R series	--	--	--	--	--	*	*
Model MK-S series	--	--	--	--	--	*	*

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
MKS2XTN-11 DC48	DRH275048LT
MKS2XTN-11 DC24	DRH275024LT
MKS2XTN-11 DC220	DRH275220LT
MKS2XTN-11 DC12	DRH275012LT
MKS2XTN-11 DC110	DRH275110LT
MKS2XTN-11 AC24	DRH275524LT
MKS2XTN-11 AC230	DRH275730LT
MKS2XTIN-11 DC48	DRH275048LT
MKS2XTIN-11 DC24	DRH275024LT
MKS2XTIN-11 DC220	DRH275220LT
MKS2XTIN-11 DC12	DRH275012LT
MKS2XTIN-11 DC110	DRH275110LT
MKS2XTIN-11 AC24	DRH275524LT
MKS2XTIN-11 AC230	DRH275730LT
MKS2XTI-11 DC48	DRH275048LT
MKS2XTI-11 DC24	DRH275024LT
MKS2XTI-11 DC220	DRH275220LT
MKS2XTI-11 DC12	DRH275012LT
MKS2XTI-11 DC110	DRH275110LT
MKS2XTI-11 AC24	DRH275524LT
MKS2XTI-11 AC230	DRH275730LT
MKS2XT-11 DC48	DRH275048LT
MKS2XT-11 DC24	DRH275024LT
MKS2XT-11 DC220	DRH275220LT
MKS2XT-11 DC12	DRH275012LT
MKS2XT-11 DC110	DRH275110LT
MKS2XT-11 AC24	DRH275524LT
MKS2XT-11 AC230	DRH275730LT
MKS1XTN-10 DC48	DRH173048LT
MKS1XTN-10 DC24	DRH173024LT
MKS1XTN-10 DC220	DRH173220LT
MKS1XTN-10 DC12	DRH173012LT
MKS1XTN-10 DC110	DRH173110LT
MKS1XTN-10 AC24	DRH173524LT
MKS1XTN-10 AC230	DRH173730LT
MKS1XTIN-10 DC48	DRH173048LT
MKS1XTIN-10 DC24	DRH173024LT
MKS1XTIN-10 DC220	DRH173220LT
MKS1XTIN-10 DC12	DRH173012LT
MKS1XTIN-10 DC110	DRH173110LT
MKS1XTIN-10 AC24	DRH173524LT
MKS1XTIN-10 AC230	DRH173730LT
MKS1XTI-10 DC48	DRH173048LT
MKS1XTI-10 DC24	DRH173024LT
MKS1XTI-10 DC220	DRH173220LT
MKS1XTI-10 DC12	DRH173012LT
MKS1XTI-10 DC110	DRH173110LT
MKS1XTI-10 AC24	DRH173524LT

Product discontinuation	Recommended replacement
MKS1XTI-10 AC230	DRH173730LT
MKS1XT-10 DC48	DRH173048LT
MKS1XT-10 DC24	DRH173024LT
MKS1XT-10 DC220	DRH173220LT
MKS1XT-10 DC12	DRH173012LT
MKS1XT-10 DC110	DRH173110LT
MKS1XT-10 AC24	DRH173524LT
MKS1XT-10 AC230	DRH173730LT
MKS2XTN-11 AC240	No recommended replacement
MKS2XTN-11 AC220	No recommended replacement
MKS2XTN-11 AC200	No recommended replacement
MKS2XTN-11 AC120	No recommended replacement
MKS2XTN-11 AC110	No recommended replacement
MKS2XTN-11 AC100	No recommended replacement
MKS2XTIN-11 AC240	No recommended replacement
MKS2XTIN-11 AC220	No recommended replacement
MKS2XTIN-11 AC200	No recommended replacement
MKS2XTIN-11 AC120	No recommended replacement
MKS2XTIN-11 AC110	No recommended replacement
MKS2XTIN-11 AC100	No recommended replacement
MKS2XTI-11 AC240	No recommended replacement
MKS2XTI-11 AC220	No recommended replacement
MKS2XTI-11 AC200	No recommended replacement
MKS2XTI-11 AC120	No recommended replacement
MKS2XTI-11 AC110	No recommended replacement
MKS2XTI-11 AC100	No recommended replacement
MKS2XT-11 AC240	No recommended replacement
MKS2XT-11 AC220	No recommended replacement
MKS2XT-11 AC200	No recommended replacement
MKS2XT-11 AC120	No recommended replacement
MKS2XT-11 AC110	No recommended replacement
MKS2XT-11 AC100	No recommended replacement
MKS2TN-11 DC220	No recommended replacement
MKS2TIN-11 DC220	No recommended replacement
MKS1XTN-10 AC240	No recommended replacement
MKS1XTN-10 AC220	No recommended replacement
MKS1XTN-10 AC200	No recommended replacement
MKS1XTN-10 AC120	No recommended replacement
MKS1XTN-10 AC110	No recommended replacement
MKS1XTN-10 AC100	No recommended replacement
MKS1XTIN-10 AC240	No recommended replacement
MKS1XTIN-10 AC220	No recommended replacement
MKS1XTIN-10 AC200	No recommended replacement
MKS1XTIN-10 AC120	No recommended replacement
MKS1XTIN-10 AC110	No recommended replacement
MKS1XTIN-10 AC100	No recommended replacement
MKS1XTI-10 AC240	No recommended replacement
MKS1XTI-10 AC220	No recommended replacement
MKS1XTI-10 AC200	No recommended replacement

Product discontinuation	Recommended replacement
MKS1XTI-10 AC120	No recommended replacement
MKS1XTI-10 AC110	No recommended replacement
MKS1XTI-10 AC100	No recommended replacement
MKS1XT-10 AC240	No recommended replacement
MKS1XT-10 AC220	No recommended replacement
MKS1XT-10 AC200	No recommended replacement
MKS1XT-10 AC120	No recommended replacement
MKS1XT-10 AC110	No recommended replacement
MKS1XT-10 AC100	No recommended replacement
MKS1TN-10 DC220	No recommended replacement
MKS1TIN-10 DC220	No recommended replacement
MKS1TI-10 DC220	No recommended replacement
MKS2TN-11 DC48	G2R-2-SN DC48(N) BY OMB
MKS2TN-11 DC48	MKS2PIN DC48 BY OMZ
MKS2TN-11 DC24	G2R-2-SN DC24(N) BY OMB
MKS2TN-11 DC24	MKS2PIN DC24 BY OMZ
MKS2TN-11 DC12	G2R-2-SN DC12(N) BY OMB
MKS2TN-11 DC12	MKS2PIN DC12 BY OMZ
MKS2TN-11 DC110	G2R-2-SN DC110(N) BY OMB
MKS2TN-11 DC110	MKS2PIN DC110 BY OMZ
MKS2TN-11 AC240	G2R-2-SN AC240(N) BY OMB
MKS2TN-11 AC240	MKS2PIN AC240 BY OMZ
MKS2TN-11 AC24	G2R-2-SN AC24(N) BY OMB
MKS2TN-11 AC24	MKS2PIN AC24 BY OMZ
MKS2TN-11 AC230	G2R-2-SN AC230(N) BY OMB
MKS2TN-11 AC230	MKS2PIN AC230 BY OMZ
MKS2TN-11 AC220	G2R-2-SN AC220(N) BY OMB
MKS2TN-11 AC220	MKS2PIN AC220 BY OMZ
MKS2TN-11 AC200	G2R-2-SN AC200/(220)(N) BY OMB
MKS2TN-11 AC200	MKS2PIN AC200 BY OMZ
MKS2TN-11 AC120	G2R-2-SN AC120(N) BY OMB
MKS2TN-11 AC120	MKS2PIN AC120 BY OMZ
MKS2TN-11 AC110	G2R-2-SN AC110(N) BY OMB
MKS2TN-11 AC110	MKS2PIN AC110 BY OMZ
MKS2TN-11 AC100	G2R-2-SN AC100/(110)(N) BY OMB
MKS2TN-11 AC100	MKS2PIN AC100 BY OMZ
MKS2TIN-11 DC48	G2R-2-SNI DC48(S) BY OMB
MKS2TIN-11 DC48	MKS2PIN DC48 BY OMZ
MKS2TIN-11 DC24	G2R-2-SNI DC24(S) BY OMB
MKS2TIN-11 DC24	MKS2PIN DC24 BY OMZ
MKS2TIN-11 DC12	G2R-2-SNI DC12(S) BY OMB
MKS2TIN-11 DC12	MKS2PIN DC12 BY OMZ
MKS2TIN-11 DC110	G2R-2-SNI DC110(S) BY OMB
MKS2TIN-11 DC110	MKS2PIN DC110 BY OMZ
MKS2TIN-11 AC240	G2R-2-SNI AC240(S) BY OMB
MKS2TIN-11 AC240	MKS2PIN AC240 BY OMZ
MKS2TIN-11 AC24	G2R-2-SNI AC24(S) BY OMB
MKS2TIN-11 AC24	MKS2PIN AC24 BY OMZ
MKS2TIN-11 AC230	G2R-2-SNI AC230(S) BY OMB

Product discontinuation	Recommended replacement
MKS2TIN-11 AC230	MKS2PIN AC230 BY OMZ
MKS2TIN-11 AC220	G2R-2-SNI AC220(S) BY OMB
MKS2TIN-11 AC220	MKS2PIN AC220 BY OMZ
MKS2TIN-11 AC200	G2R-2-SNI AC200/(220)(S)BY OMB
MKS2TIN-11 AC200	MKS2PIN AC200 BY OMZ
MKS2TIN-11 AC120	G2R-2-SNI AC120(S) BY OMB
MKS2TIN-11 AC120	MKS2PIN AC120 BY OMZ
MKS2TIN-11 AC110	G2R-2-SNI AC110(S) BY OMB
MKS2TIN-11 AC110	MKS2PIN AC110 BY OMZ
MKS2TIN-11 AC100	G2R-2-SNI AC100/(110)(S)BY OMB
MKS2TIN-11 AC100	MKS2PIN AC100 BY OMZ
MKS2TI-11 DC48	G2R-2-SNI DC48(S) BY OMB
MKS2TI-11 DC48	MKS2P DC48 BY OMZ
MKS2TI-11 DC24	G2R-2-SNI DC24(S) BY OMB
MKS2TI-11 DC24	MKS2P DC24 BY OMZ
MKS2TI-11 DC220	MKS2P DC220 BY OMZ
MKS2TI-11 DC12	G2R-2-SNI DC12(S) BY OMB
MKS2TI-11 DC12	MKS2P DC12 BY OMZ
MKS2TI-11 DC110	G2R-2-SNI DC110(S) BY OMB
MKS2TI-11 DC110	MKS2P DC110 BY OMZ
MKS2TI-11 AC240	G2R-2-SNI AC240(S) BY OMB
MKS2TI-11 AC240	MKS2P AC240 BY OMZ
MKS2TI-11 AC24	MKS2P AC24 BY OMZ
MKS2TI-11 AC24	G2R-2-SNI AC24(S) BY OMB
MKS2TI-11 AC230	G2R-2-SNI AC230(S) BY OMB
MKS2TI-11 AC230	MKS2P AC230 BY OMZ
MKS2TI-11 AC220	G2R-2-SNI AC220(S) BY OMB
MKS2TI-11 AC220	MKS2P AC220 BY OMZ
MKS2TI-11 AC200	G2R-2-SNI AC200/(220)(S)BY OMB
MKS2TI-11 AC200	MKS2P AC200 BY OMZ
MKS2TI-11 AC120	G2R-2-SNI AC120(S) BY OMB
MKS2TI-11 AC120	MKS2P AC120 BY OMZ
MKS2TI-11 AC110	G2R-2-SNI AC110(S) BY OMB
MKS2TI-11 AC110	MKS2P AC110 BY OMZ
MKS2TI-11 AC100	G2R-2-SNI AC100/(110)(S)BY OMB
MKS2TI-11 AC100	MKS2P AC100 BY OMZ
MKS2T-11 DC48	G2R-2-S DC48(N) BY OMB
MKS2T-11 DC48	MKS2P DC48 BY OMZ
MKS2T-11 DC24	G2R-2-S DC24(N) BY OMB
MKS2T-11 DC24	MKS2P DC24 BY OMZ
MKS2T-11 DC220	MKS2P DC220 BY OMZ
MKS2T-11 DC12	G2R-2-S DC12(N) BY OMB
MKS2T-11 DC12	MKS2P DC12 BY OMZ
MKS2T-11 DC110	G2R-2-S DC110(N) BY OMB
MKS2T-11 DC110	MKS2P DC110 BY OMZ
MKS2T-11 AC240	G2R-2-S AC240(N) BY OMB
MKS2T-11 AC240	MKS2P AC240 BY OMZ
MKS2T-11 AC24	G2R-2-S AC24(N) BY OMB
MKS2T-11 AC24	MKS2P AC24 BY OMZ

Product discontinuation	Recommended replacement
MKS2T-11 AC230	G2R-2-S AC230(N) BY OMB
MKS2T-11 AC230	MKS2P AC230 BY OMZ
MKS2T-11 AC220	G2R-2-S AC220(N) BY OMB
MKS2T-11 AC220	MKS2P AC220 BY OMZ
MKS2T-11 AC200	G2R-2-S AC200/(220)(N) BY OMB
MKS2T-11 AC200	MKS2P AC200 BY OMZ
MKS2T-11 AC120	G2R-2-S AC120(N) BY OMB
MKS2T-11 AC120	MKS2P AC120 BY OMZ
MKS2T-11 AC110	G2R-2-S AC110(N) BY OMB
MKS2T-11 AC110	MKS2P AC110 BY OMZ
MKS2T-11 AC100	G2R-2-S AC100/(110)(N) BY OMB
MKS2T-11 AC100	MKS2P AC100 BY OMZ
MKS1TN-10 DC48	G2R-1-SN DC48(N) BY OMB
MKS1TN-10 DC48	MKS2PIN DC48 BY OMZ
MKS1TN-10 DC24	G2R-1-SN DC24(N) BY OMB
MKS1TN-10 DC24	MKS2PIN DC24 BY OMZ
MKS1TN-10 DC12	G2R-1-SN DC12(N) BY OMB
MKS1TN-10 DC12	MKS2PIN DC12 BY OMZ
MKS1TN-10 DC110	G2R-1-SN DC110(N) BY OMB
MKS1TN-10 DC110	MKS2PIN DC110 BY OMZ
MKS1TN-10 AC240	G2R-1-SN AC240(N) BY OMB
MKS1TN-10 AC240	MKS2PIN AC240 BY OMZ
MKS1TN-10 AC24	G2R-1-SN AC24(N) BY OMB
MKS1TN-10 AC24	MKS2PIN AC24 BY OMZ
MKS1TN-10 AC230	G2R-1-SN AC230(N) BY OMB
MKS1TN-10 AC230	MKS2PIN AC230 BY OMZ
MKS1TN-10 AC220	G2R-1-SN AC220(N) BY OMB
MKS1TN-10 AC220	MKS2PIN AC220 BY OMZ
MKS1TN-10 AC200	G2R-1-SN AC200/(220)(N) BY OMB
MKS1TN-10 AC200	MKS2PIN AC200 BY OMZ
MKS1TN-10 AC120	G2R-1-SN AC120(N) BY OMB
MKS1TN-10 AC120	MKS2PIN AC120 BY OMZ
MKS1TN-10 AC110	G2R-1-SN AC110(N) BY OMB
MKS1TN-10 AC110	MKS2PIN AC110 BY OMZ
MKS1TN-10 AC100	G2R-1-SN AC100/(110)(N) BY OMB
MKS1TN-10 AC100	MKS2PIN AC100 BY OMZ
MKS1TIN-10 DC48	G2R-1-SNI DC48(S) BY OMB
MKS1TIN-10 DC48	MKS2PIN DC48 BY OMZ
MKS1TIN-10 DC24	G2R-1-SNI DC24(S) BY OMB
MKS1TIN-10 DC24	MKS2PIN DC24 BY OMZ
MKS1TIN-10 DC12	G2R-1-SNI DC12(S) BY OMB
MKS1TIN-10 DC12	MKS2PIN DC12 BY OMZ
MKS1TIN-10 DC110	G2R-1-SNI DC110(S) BY OMB
MKS1TIN-10 DC110	MKS2PIN DC110 BY OMZ
MKS1TIN-10 AC240	G2R-1-SNI AC240(S) BY OMB
MKS1TIN-10 AC240	MKS2PIN AC240 BY OMZ
MKS1TIN-10 AC24	G2R-1-SNI AC24(S) BY OMB
MKS1TIN-10 AC24	MKS2PIN AC24 BY OMZ
MKS1TIN-10 AC230	G2R-1-SNI AC230(S) BY OMB

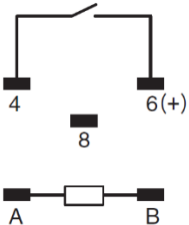
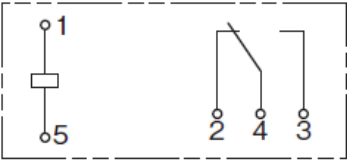
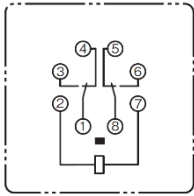
Product discontinuation	Recommended replacement
MKS1TIN-10 AC230	MKS2PIN AC230 BY OMZ
MKS1TIN-10 AC220	G2R-1-SNI AC220(S) BY OMB
MKS1TIN-10 AC220	MKS2PIN AC220 BY OMZ
MKS1TIN-10 AC200	G2R-1-SNI AC200/(220)(S)BY OMB
MKS1TIN-10 AC200	MKS2PIN AC200 BY OMZ
MKS1TIN-10 AC120	G2R-1-SNI AC120(S) BY OMB
MKS1TIN-10 AC120	MKS2PIN AC120 BY OMZ
MKS1TIN-10 AC110	G2R-1-SNI AC110(S) BY OMB
MKS1TIN-10 AC110	MKS2PIN AC110 BY OMZ
MKS1TIN-10 AC100	G2R-1-SNI AC100/(110)(S)BY OMB
MKS1TIN-10 AC100	MKS2PIN AC100 BY OMZ
MKS1TI-10 DC48	G2R-1-SNI DC48(S) BY OMB
MKS1TI-10 DC48	MKS2PI DC48 BY OMZ
MKS1TI-10 DC24	G2R-1-SNI DC24(S) BY OMB
MKS1TI-10 DC24	MKS2PI DC24 BY OMZ
MKS1TI-10 DC12	G2R-1-SNI DC12(S) BY OMB
MKS1TI-10 DC12	MKS2PI DC12 BY OMZ
MKS1TI-10 DC110	G2R-1-SNI DC110(S) BY OMB
MKS1TI-10 DC110	MKS2PI DC110 BY OMZ
MKS1TI-10 AC240	G2R-1-SNI AC240(S) BY OMB
MKS1TI-10 AC240	MKS2PI AC240 BY OMZ
MKS1TI-10 AC24	G2R-1-SNI AC24(S) BY OMB
MKS1TI-10 AC24	MKS2PI AC24 BY OMZ
MKS1TI-10 AC230	G2R-1-SNI AC230(S) BY OMB
MKS1TI-10 AC230	MKS2PI AC230 BY OMZ
MKS1TI-10 AC220	G2R-1-SNI AC220(S) BY OMB
MKS1TI-10 AC220	MKS2PI AC220 BY OMZ
MKS1TI-10 AC200	G2R-1-SNI AC200/(220)(S)BY OMB
MKS1TI-10 AC200	MKS2PI AC200 BY OMZ
MKS1TI-10 AC120	G2R-1-SNI AC120(S) BY OMB
MKS1TI-10 AC120	MKS2PI AC120 BY OMZ
MKS1TI-10 AC110	G2R-1-SNI AC110(S) BY OMB
MKS1TI-10 AC110	MKS2PI AC110 BY OMZ
MKS1TI-10 AC100	G2R-1-SNI AC100/(110)(S)BY OMB
MKS1TI-10 AC100	MKS2PI AC100 BY OMZ
MKS1T-10 DC48	G2R-1-S DC48(N) BY OMB
MKS1T-10 DC48	MKS2P DC48 BY OMZ
MKS1T-10 DC24	G2R-1-S DC24(N) BY OMB
MKS1T-10 DC24	MKS2P DC24 BY OMZ
MKS1T-10 DC220	MKS2P DC220 BY OMZ
MKS1T-10 DC12	G2R-1-S DC12(N) BY OMB
MKS1T-10 DC12	MKS2P DC12 BY OMZ
MKS1T-10 DC110	G2R-1-S DC110(N) BY OMB
MKS1T-10 DC110	MKS2P DC110 BY OMZ
MKS1T-10 AC240	G2R-1-S AC240(N) BY OMB
MKS1T-10 AC240	MKS2P AC240 BY OMZ
MKS1T-10 AC24	G2R-1-S AC24(N) BY OMB
MKS1T-10 AC24	MKS2P AC24 BY OMZ
MKS1T-10 AC230	G2R-1-S AC230(N) BY OMB

Product discontinuation	Recommended replacement
MKS1T-10 AC230	MKS2P AC230 BY OMZ
MKS1T-10 AC220	G2R-1-S AC220(N) BY OMB
MKS1T-10 AC220	MKS2P AC220 BY OMZ
MKS1T-10 AC200	G2R-1-S AC200/(220)(N) BY OMB
MKS1T-10 AC200	MKS2P AC200 BY OMZ
MKS1T-10 AC120	G2R-1-S AC120(N) BY OMB
MKS1T-10 AC120	MKS2P AC120 BY OMZ
MKS1T-10 AC110	G2R-1-S AC110(N) BY OMB
MKS1T-10 AC110	MKS2P AC110 BY OMZ
MKS1T-10 AC100	G2R-1-S AC100/(110)(N) BY OMB
MKS1T-10 AC100	MKS2P AC100 BY OMZ
P7MF-06-D BY OMZ	No recommended replacement
P7MF-06 BY OMZ	No recommended replacement
P7M-06P BY OMZ	No recommended replacement
PYC-A2 FOR G2A.	No recommended replacement

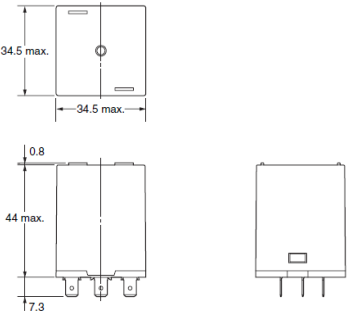
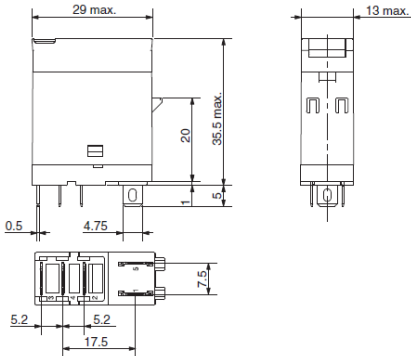
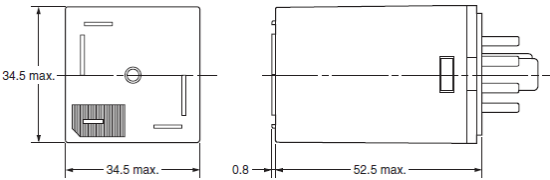
[Body color]

Product discontinuation Model MK-S(X) series < Models for AC Loads >	Recommendable replacement Model G2R series, Model MK-S series
Model MK-S(X) series Case : Clear 	Model G2R series Case : Clear  Model MK-S series Case : Clear 

[Wire connection]

Product discontinuation Model MK-S(X) series < Models for AC Loads >	Recommendable replacement Model G2R series, Model MK-S series
Model MK-S(X) series  Ex.) Model MKS1T-10 (Standard Models) Refer to the MK-S (X) product catalog for other types of terminal arrangements / internal connections.	Model G2R series  Ex.) Model G2R-1-S (Standard Models) Refer to the G2R-[]-S product catalog for other types of terminal arrangements / internal connections. Model MK-S series  Ex.) Model MKS2P (Standard Models) Refer to the MK-S product catalog for other types of terminal arrangements / internal connections.

[Dimensions]

Product discontinuation Model MK-S(X) series < Models for AC Loads >	Recommendable replacement Model G2R series, Model MK-S series
Model MK-S(X) series  34.5 max. 34.5 max. 0.8 44 max. 17.3 Ex.) Model MKS1T-10 (Standard Models) Refer to the MK-S (X) product catalog for other types of Dimensions.	Model G2R series  29 max. 13 max. 35.5 max. 20 5 1 0.5 4.75 7.5 5.2 5.2 17.5 Ex.) Model G2R-1-S (Standard Models) Refer to the G2R-[]-S product catalog for other types of Dimensions. Model MK-S series  34.5 max. 34.5 max. 0.8 52.5 max. Ex.) Model MKS2P (Standard Models) Refer to the MK-S product catalog for other types of Dimensions.

[Specification]
Coil Ratings

Item	Product discontinuation Model MK-S(X) series < Models for AC Loads >	Recommendable replacement Model G2R series, Model MK-S series
Rated voltage (V)	AC24, 100, 110, 120, 200, 220, 230, 240 DC12, 24, 48, 110, 220	Model G2R series AC24, 48, 110, 120, 230, 240 DC6, 12, 24, 48 Model MK-S series AC6, 12, 24, 100, 110, 200, 220, 230, 240 DC6, 12, 24, 48, 100, 110, 125
Must operate voltage (V)	80% max. (Percentage of rated voltage)	Model G2R series AC:80% max. of rated voltage DC:70% max. of rated voltage Model MK-S series 80% max. of rated voltage
Must release voltage (V)	AC:30% min. of rated voltage at 60 Hz, 25% min. of rated voltage at 50 Hz DC:15% min. of rated voltage	Model G2R series AC:30% min. of rated voltage DC:15% min. of rated voltage Model MK-S series AC:30% min. of rated voltage at 60 Hz, 25% min. of rated voltage at 50 Hz DC:15% min. of rated voltage
Maximum voltage allowable (V)	110% of rated voltage	Model G2R series 110% of rated voltage Model MK-S series 110% of rated voltage
Power consumption (VA, W)	AC: Approx. 2.3 VA at 60 Hz, Approx. 2.7 VA at 50 Hz DC: Approx. 1.5W	Model G2R series AC: Approx. 0.9 VA at 60 Hz, DC: Approx. 0.53 W Model MK-S series AC: Approx. 2.3 VA at 60 Hz, Approx. 2.7 VA at 50 Hz DC: Approx. 1.4 W

[Specification]
Contact Ratings

Item	Product discontinuation Model MK-S(X) series < Models for AC Loads >	Recommendable replacement Model G2R series, Model MK-S series
Contact configuration	NO: Double-break NC: Single-break	Model G2R series Single Model MK-S series Single
Contact material	AgSnIn	Model G2R series Ag Alloy Model MK-S series AgSnIn
Rated load (Resistive load)	NO: 15 A, 250 VAC NC: 5 A, 250 VAC	Model G2R series 1 pole) 10 A at 250 VAC; 10 A at 30 VDC 2 pole) 5 A at 250 VAC; 5 A at 30 VDC Model MK-S series NO: 10 A, 250 VAC/10A, 30 VDC NC: 5 A, 250 VAC/5 A, 30 VDC
Rated carry current	NO: 15 A NC: 5 A	Model G2R series 1 pole) 10 A 2 pole) 5 A Model MK-S series 10 A
Max. switching voltage	250 VAC	Model G2R series 1 pole) 440 VAC, 125 VDC 2 pole) 380 VAC, 125 VDC Model MK-S series 250 VAC, 250 VDC
Max. switching current	NO: 15 A NC: 5 A	Model G2R series 1 pole) 10 A 2 pole) 5 A Model MK-S series 10 A
Max. switching capacity (reference value)	NO: 3,750 VA NC: 1,250 VA	Model G2R series 1 pole) 2,500 VA, 300 W 2 pole) 1,250 VA, 150 W Model MK-S series NO: 2,500 VA/300 W NC: 1,250 VA/150 W

[Characteristics]

Item	Product discontinuation Model MK-S(X) series < Models for AC Loads >	Recommendable replacement Model G2R series, Model MK-S series
Contact resistance	100 m ohm max.	Model G2R series 100 m ohm max. Model MK-S series 100 m ohm max.
Operate time	AC: 20 ms max DC: 30 ms max.	Model G2R series 15 ms max Model MK-S series AC: 20 ms max DC: 30 ms max.
Release time	20 ms max.	Model G2R series 1 pole) AC: 10 ms max., DC: 5 ms max. 2 pole) AC: 15 ms max., DC: 10 ms max. (w/built-in diode: 20 ms max.) Model MK-S series 20 ms max. (40 ms max. for built-in Diode Relays)
Max. operating frequency Mechanical Rated load	18,000 operations/h 1,200 operations/h	Model G2R series 18,000 operations/h 1,800 operations/h Model MK-S series 18,000 operations/h 1,800 operations/h (under rated load)
Insulation resistance	100 M ohm min.	Model G2R series 1,000 M ohm min. Model MK-S series 100 M ohm min.
Dielectric strength Between coil and contacts Between contacts of different polarity Between contacts of same polarity	2,500 VAC 50/60 Hz for 1 min. between 2,500 VAC 50/60 Hz for 1 min. between 1,000 VAC 50/60 Hz for 1 min. between	Model G2R series 5,000 VAC 50/60 Hz for 1 min. between 3,000 VAC 50/60 Hz for 1 min. between 1,000 VAC 50/60 Hz for 1 min. between Model MK-S series 2,500 VAC 50/60 Hz for 1 min. between 2,500 VAC 50/60 Hz for 1 min. between 1,000 VAC 50/60 Hz for 1 min. between
Vibration resistance Destruction Malfunction	10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5 mm double amplitude) 10 to 55 to 10 Hz, 0.5 mm single amplitude (1.0 mm double amplitude)	Model G2R series 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.0 mm double amplitude) 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5 mm double amplitude) Model MK-S series 10 to 55 to 10 Hz, 0.75 mm single amplitude (1.5 mm double amplitude) 10 to 55 to 10 Hz, 0.5 mm single amplitude (1.0 mm double amplitude)
Shock resistance Destruction Malfunction	Back-connecting Socket (P7M-06P) mounting: 1,000 m/s ² Front-connecting Socket (P7MF-06(-D)) mounting: 500 m/s ² 100 m/s ²	Model G2R series 1,000 m/s ² 200 m/s ² when energized; 100 m/s ² when not energized Model MK-S series 1,000 m/s ² 100 m/s ²

[Characteristics]

Item	Product discontinuation Model MK-S(X) series < Models for AC Loads >	Recommendable replacement Model G2R series, Model MK-S series
Endurance Mechanical Electrical	1,000,000 operations min. (at 18,000 operation/h) 100,000 operations min. (at rated load and maximum switching frequency)	Model G2R series AC coil: 10,000,000 operations min.; DC coil: 20,000,000 operations min. (at 18,000 operations/h) 100,000 operations min. (at 1,800 operations/h under rated load) Model MK-S series 5,000,000 operations min. (at 18,000 operations/h under rated load) 100,000 operations h. (at 1,800 operations/h under rated load)
Failure rate P level (reference value)	10 mA at 24 VDC	Model G2R series 1 pole) 100 mA at 5 VDC 2 pole) 10 mA at 5 VDC Model MK-S series 10 mA at 1 VDC
Ambient operating temperature	-40°C to 60°C (with no icing or condensation) Note: The range is -25°C to 60°C for models with built-in operating indicator.	Model G2R series -40°C to 70°C (with no icing or condensation) Model MK-S series -40°C to 60°C (with no icing or condensation)
Ambient operating humidity	5% to 85%	Model G2R series 5% to 85% Model MK-S series 5% to 85%
Weight	SPST-NO: Approx. 73 g, SPST-NO/SPST-NC: Approx. 82 g	Model G2R series Approx. 20 g Model MK-S series Approx. 90 g

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.