

Automation News

Mechanical relays

Change of safety standard marking, brand mark and marking method

We would like to inform you that we will change the specification for some mechanical relays as follows. We kindly ask you to inform your customers and obtain their acknowledgement.

1. Type and content of change

- Types: Please refer to the “5. List of product type”.
- Content of change: Please refer to the “6. List of change”.

2. Changes

- | | |
|---|--|
| (1) Brand mark
Unify to `Panasonic` mark | (6) Product marking display
Due to brand mark change, revise marking layout |
| (2) UL mark
Unify to UL marking | (7) Contents of marking
Unify to marking display content |
| (3) UL, CSA mark
Change from UL, CSA mark to UL/C-UL mark | |
| (4) Inner carton display of China RoHS
Eliminate of double display | |
| (5) Marking method
Improve the marking quality | |

3. Part number, product type specifications and price remain unchanged

4. Schedule

From April, 2020 production onward

5. List of product type

■ Change of Brand mark and UL mark

Category	Product	Part Number	Brand mark						UL mark*	
			Before change			After change			Before change	After change
			Product body	Inner and outer packaging (Carton and label)	Tube packing	Product body	Inner and outer packaging (Carton and label)	Tube packing	Product body	Product body
Power relays	DSP (Made in Japan)		M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	DSP (Made in China)	DSPOQ-DCO DSPOQ-LO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	DSP (Made in Czech)		M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	DSP Socket	DSP1a-PO	M	Panasonic+M	-	Panasonic②	Panasonic	-	-	-
	DK	DK1a/2a-QV DKQO-LO DK1a1bO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	DK Socket	DK1a/2a-PO	M	Panasonic+M	-	Panasonic②	Panasonic	-	-	-
	DY	ADYO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	ST	ST1/2O	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	NC	NC2D/4DO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	NC Terminal socket	NC2/4-JO NC2/4-PO NC2/4-SO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	NC Socket	NC2/4-WO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	S (Made in Japan)	S2/3/4O	M	Panasonic+M	-	Panasonic①	Panasonic	-	UL+U	UL
	S (Made in Czech)		M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	S Socket	S-PS	M	Panasonic+M	-	Panasonic②	Panasonic	-	U	UL
	SP	SP2/4-DCO SP2/4-LO SP2/4-PO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	SP Terminal socket	SP2/4-SF	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	SP Mounting board	SP-MA	M	Panasonic+M	-	Panasonic②	Panasonic	-	-	-
	PC Socket (Socket for PQ)	PC1a-PO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	JT-N	JTNO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	JT-V	JTVO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	JV-N	JVNO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	PA Socket (Socket for PA-N)	PA1a-PO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	LF (PCB terminal)	ALFOPO	-	-	-	-	-	-	-	-
	LF	ALFO	-	-	-	-	-	-	-	-
	LF-G	ALFGO	-	-	-	-	-	-	-	-
	LK-G	LKGO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	LK-P	LKPO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
LK-Q	LKQO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-	
LK-T	LKTO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-	
Signal relays	DS1	DS1EO	M	Panasonic+M	-	Panasonic①	Panasonic	-	UL+U	UL
	DS2	DS2EO	M	Panasonic+M	-	Panasonic①	Panasonic	-	UL+U	UL
	DSY	DS2YO	M	Panasonic+M	-	Panasonic①	Panasonic	-	UL+U	UL
	HY	HY1O	M	Panasonic+M	Panasonic+M	Panasonic②	Panasonic	Deletion of marking contents (Brand mark etc.)	-	-
	TQ	TQ2O	M	Panasonic+M	Panasonic+M	Panasonic③	Panasonic	Deletion of marking contents (Brand mark etc.)	UL+U	UL
	TQ-SMD		M	Panasonic+M	Panasonic+M	Panasonic③	Panasonic	Deletion of marking contents (Brand mark etc.)	-	-
	TX	TX2O	M	Panasonic+M	-	Panasonic③	Panasonic	-	-	-
	TX-D	TXD2O	M	Panasonic+M	-	Panasonic③	Panasonic	-	-	-
	TX-S	TXS2O	M	Panasonic+M	-	Panasonic③	Panasonic	-	-	-
	GN	AGNO	M	Panasonic+M	-	Panasonic③	Panasonic	-	-	-
GQ	AGQO	M	Panasonic+M	-	Panasonic③	Panasonic	-	-	-	
Control panel relays	HN Terminal socket	AHNAO3	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
Safety relays	SF-S Terminal socket	SFSO-PS	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	SF-S Socket	SFSO-SFDO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
High capacity DC cutoff relays	EP	AEP18O AEP19O AEP31O AEP51O	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
Microwave devices	RE	AREO	M	Panasonic+M	Panasonic+M	Panasonic①	Panasonic	Deletion of marking contents (Brand mark etc.)	-	-
	RJ	ARJO	M	Panasonic+M	-	Panasonic①	Panasonic	-	-	-
	RS	ARSO	M	Panasonic+M	-	Panasonic②	Panasonic	-	-	-

* Change will be made only on products marked with UL and UL/CSA and other safety standards.

Change of UL, CSA mark, marking and indication

Category	Product	Part Number	UL, CSA mark				Marking method		China RoHS mark indication		Marking place·Marking contents	
			Before change		After change		Before change	After change	Before change	After change	Before change	After change
			Product body	Inner carton	Product body	Inner carton	Product body	Product body	Inner carton (Carton and label)	Inner carton (Carton and label)	Product body	Product body
Power relays	DSP (Made in Japan)	DSPOO-DCO DSPOO-LO	UL, CSA①	UL, CSA①	UL/C-UL	UL/C-UL	-	-	-	-	-	-
	DSP (Made in China)		-	-	-	-	-	-	-	-	-	
	DSP (Made in Czech)		UL, CSA①	UL, CSA①	UL/C-UL	UL/C-UL	-	-	-	-	-	-
	DSP Socket	DSP1a-PO	-	-	-	-	-	-	-	-	-	-
	DK	DK1a/2a-OV DKOQ-LO DK1a1bO	-	-	-	-	-	-	-	-	-	-
	DK Socket	DK1a/2a-PO	-	-	-	-	-	-	-	-	-	-
	DY	ADYO	-	-	-	-	-	-	-	-	-	-
	ST	ST1/2O	-	-	-	-	-	-	-	-	-	-
	NC	NC2D/4DO	-	-	-	-	-	-	-	-	-	-
	NC Terminal socket	NC2/4-JO NC2/4-PO	-	-	-	-	-	-	-	-	-	-
	NC Socket	NC2/4-SO NC2/4-WO	-	-	-	-	-	-	-	-	-	-
	S (Made in Japan)	S2/3/4O	-	-	-	-	-	-	-	-	-	-
	S (Made in Czech)		-	-	-	-	-	-	-	-	-	-
	S Socket	S-PS	-	-	-	-	-	-	-	-	-	-
	SP	SP2/4-DCO SP2/4-LO SP2/4-PO	-	-	-	-	-	-	-	-	"KONTAKTE:"	Deletion of "KONTAKTE:" mark
	SP Terminal socket	SP2/4-SF	-	-	-	-	-	-	-	-	-	-
	SP Mounting board	SP-MA	-	-	-	-	-	-	-	-	-	-
	PC Socket (Socket for PQ)	PC1a-PO	-	-	-	-	-	-	-	-	-	-
	JT-N	JTNO	UL, CSA②	UL, CSA②	UL/C-UL	-	-	-	-	-	-	-
	JT-V	JTVO	-	UL, CSA②	-	-	-	-	-	-	-	-
	JV-N	JVNO	-	-	-	-	Ink	Laser	-	-	-	-
	PA Socket (Socket for PA-N)	PA1a-PO	-	-	-	-	-	-	-	-	-	-
	LE (PCB terminal)	ALFOPO	-	-	-	-	Ink	Laser	-	-	-	-
LF	ALFO	-	-	-	-	Ink	Laser	-	-	-	-	
LF-G	ALFGO	-	-	-	-	Ink	Laser	-	-	-	-	
LK-G	LKGO	-	-	-	-	-	-	-	-	-	-	
LK-P	LKPO	UL, CSA①	-	UL/C-UL	-	-	-	-	-	-	-	
LK-Q	LKQO	-	-	-	-	-	-	-	-	-	-	
LK-T	LKTO	-	-	-	-	-	-	-	-	-	-	
Signal relays	DS1	DS1EO	-	-	-	-	-	-	-	-	-	-
	DS2	DS2EO	-	-	-	-	-	-	Inner carton label (Marking on inner carton top surface)	Inner carton label (deletion of Marking on inner carton top surface)	-	-
	DSY	DS2YO	-	-	-	-	-	-	Inner carton label (Marking on inner carton top surface)	Inner carton label (deletion of Marking on inner carton top surface)	-	-
	HY	HY1O	-	-	-	-	-	-	-	-	Marking "Lot No and Country of origin" on the top of product body	Marking "Lot No and Country of origin" on the side of product body
	TQ	TQ2O	-	-	-	-	-	-	-	-	-	-
	TQ-SMD		-	-	-	-	Ink	Laser	-	-	-	-
	TX	TX2O	-	-	-	-	-	-	-	-	-	-
	TX-D	TXD2O	-	-	-	-	-	-	-	-	-	-
	TX-S	TXS2O	-	-	-	-	-	-	-	-	-	-
	GN	AGNO	-	-	-	-	-	-	-	-	-	-
GQ	AGQO	-	-	-	-	-	-	-	-	-	-	
Control panel relays	HN Terminal socket	AHNAO3	-	-	-	-	-	-	-	-	-	
Safety relays	SF-S Terminal socket	SFSO-PS	-	-	-	-	-	-	-	-	-	
	SF-S Socket	SFSO-SFDO	-	-	-	-	-	-	-	-	-	
High capacity DC cutoff relays	EP	AEP18O AEP19O AEP31O AEP51O	-	-	-	-	-	-	-	-	-	
Microwave devices	RE	AREO	-	-	-	-	-	-	-	-	-	
	RJ	ARJO	-	-	-	-	-	-	-	-	-	
	RS	ARSO	-	-	-	-	-	-	-	-	-	

* Change will be made only on products marked with UL and UL/CSA and other safety standards.

*Mark of above table

M:	
Panasonic①	: Panasonic
Panasonic②	: Panasonic
Panasonic③	: Panasonic
Panasonic+M	: Panasonic
Panasonic	: Panasonic [®]

U:	
UL:	
UL+U:	
UL, CSA①:	
UL, CSA②:	
UL/C-UL:	
-	: Exception

6. List of Change




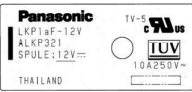



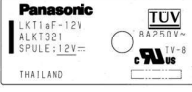

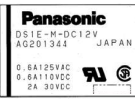

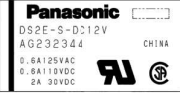

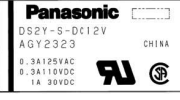
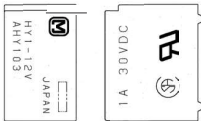
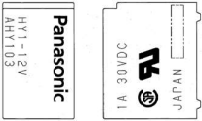

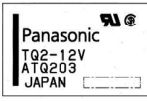
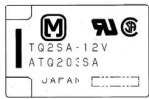
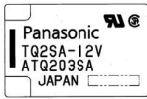

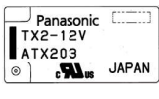
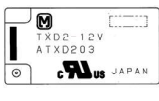
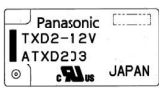
Before change			After change
Change of brand mark	Product body		Panasonic
	Inner carton (Carton and label)	Panasonic	Panasonic
	Tube packing	Panasonic	Panasonic [®]
UL mark	Product body		Deletion of marking contents (Brand mark etc.)
UL and CSA mark	Product body Inner carton		
Change of Marking method	Product body	Ink marking	Laser marking
Inner carton display of China RoHS	Inner carton (Carton and label)	Inner carton label and top of inner carton	Inner carton label (deletion of Marking on inner carton top surface)


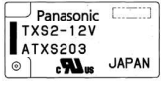




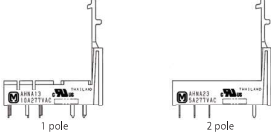
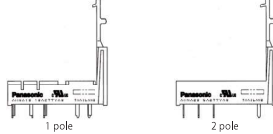
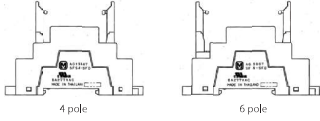
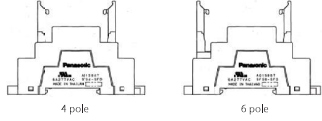
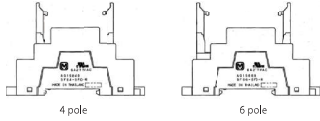
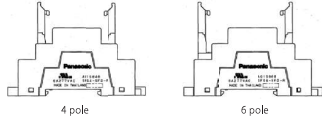
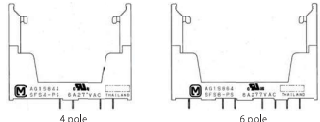
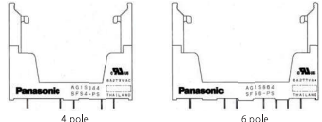
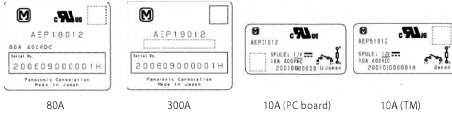
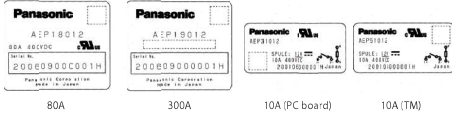

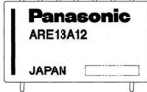


*Marked products only

7. List of product marking (Reference example)

Category	Products	Product marking	
		Before change	After change
Power relays	DSP (Made in Japan)		
	DSP (Made in China)		
	DSP (Made in Czech)		
	DSP Socket		
	DK		
	DK Socket		
	DY		
	ST		
	NC		
	NC Terminal socket		
NC Socket			
S (Made in Japan)			

Category	Products	Product marking	
		Before change	After change
Power relays	S (Made in Czech)		
	S Socket		
	SP		
	SP Terminal socket		
	SP Mounting board		
	PC Socket (Socket for PQ)		
	JT-N (TMP type)		
	JT-N (PCB type)		
	JT-V (TMP type)		
	JT-V (PCB type)		
JV-N			
PA Socket (Socket for PA-N)			

Category	Products	Product marking	
		Before change	After change
Power relays	LK-G		
	LK-P		
	LK-Q		
	LK-T		
	DS1		
Signal relays	DS2		
	DSY		
	HY		
	TQ		
	TQ-SMD		
	TX		
	TX-D		

Category	Products	Product marking	
		Before change	After change
Signal relays	TX-S		
	GN		
	GQ		
Control panel relays	HN Terminal socket		
Safety relays	SF-S Terminal socket for spade tongue terminals		
	SF-S Terminal sockets for spade and ring tongue terminals		
	SF-S Socket		
High capacity DC cutoff relays	EP		
Microwave devices	RE		
	RJ		
	RS	