



Prior Consultation Notification

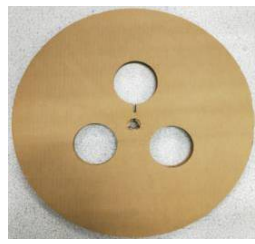


Issued: Jun 15, 2020

Response requested by:
Dec 31, 2020

To: PIDS

Drafting dept.
Panasonic Electronic
Devices(QingDao)Co.,Ltd.
Technology Department
FSW Technology section

Sales	Approved	Checked	In Charge
			

Name/No. of part	Detector switch&Push switch	Model No. or specification No. of the products where the parts are used.	
Change scheduled on	Start of production in Apr. 2021. *After customer approval.	Scheduled production quantity	100% of those produced
Details of the change	Change classification (design, <u>parts/material</u>) manufacturing, inspection, test, others)		
	<p>We will change the packaging specifications from paper reel to plastic reel.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Before</p>  </div> <div style="font-size: 2em;">➔</div> <div style="text-align: center;"> <p>After</p>  </div> <div style="border: 1px solid black; padding: 5px; margin-left: 10px;"> <p>2HLD (ESE31type) 2ND (ESE22type) 09HLD (ESE58type) 1HLD (ESE18type) 1HWD (ESE23type) 1VRD (ESE16type) 1VLD (ESE13type) 5ND (ESE11type)</p> </div> </div> <div style="margin-top: 20px; text-align: center;">  <div style="border: 1px solid black; padding: 5px; margin-left: 10px;"> <p>2WD (ESE24type) SMD (ESB33type)</p> </div> </div> <p>◆The inner diameter and outer diameter of the reel have no change, and there is no change for the packing quantity,so there is not any impact on customer use.</p>		
Reason for the change	In order to ensure product quality and prevent foreign object.		
Appended documents	Attached document 1: Change content description data (detailed description) Attached document 2: Drop test data		

Response Sheet

Response date: / /

Approval	Dept. Received
	/ /

We studied the content of the change requested on the above.
Our decision is below:

Accepted	Accepted with conditions	pending	Substitute draft proposal
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Conditions for change implementation (or reasons for determination)

* Form may be altered according to the needs of each manufacturing site.

Reliability test results

Change part Reel

Test Item Drop test

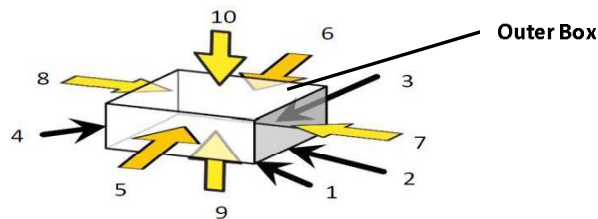
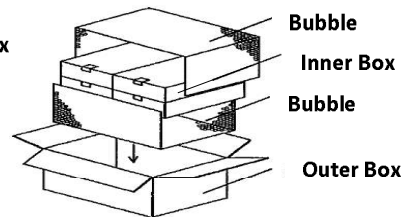
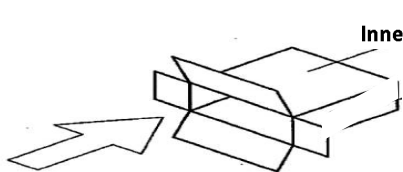
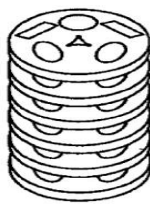
Test standards MIS-A-5022

Test condition Drop height : 100cm

Number of drops : 10 times (The drop direction is according to the table below)

Table Number of drops , Drop order and drop point

Number of drops	Drop order	Drop point
10 times	1	The corner of bottom
	2	The edge of bottom and end panel.
	3	The edge of bottom and side panel.
	4	The edge of side and end panel
	5~10	All 6 panels



Number of test 3 boxes

Measurement item Appearance

Test results After the test, a part of the inner / outer box was deformed, but no abnormality was found in the reel and the product.

Photo after the test (only one representative box)

Condition of outer box after drop test	Condition of inner box after drop test	Condition of reel after drop test

Function switch

Requests for changing packaging specifications (reel material)

Agenda

- 1 . Purpose of change
- 2 . The contents of change
- 3 . Applicable products
- 4 . Change point confirmation

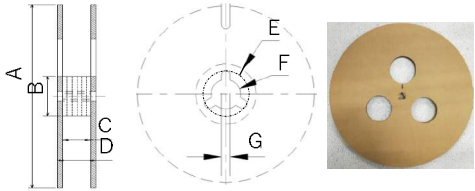
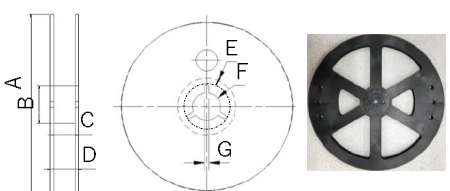

Issued date : Aug 30,2019

Drafting dept. : HMI Devices BU , Engineering 1 Department
Function switch promotion project

1. Purpose of change

For the purpose of improving quality, the paper reel, which is a packaging material, will be abolished and unified with a plastic reel.

2. The contents of change

Reel	Current specifications				Change specifications				
Material	Paper (cardboard)				PS (Polystyrene)				
Embossed tape width	16,24mm				16mm			24mm	
Shape									
Color of reel	Brown				Black			White	
Reel dimensions	A	B	C		D		E	F	G
	16,24mm	16,24mm	16mm	24mm	16mm	24mm	16,24mm	16,24mm	16,24mm
Current (Paper reel)	$\Phi 380 \pm 2$	($\Phi 80$)	$16.4 + \frac{2}{0}$	$24.4 + \frac{2}{0}$	(22.4)	(30.4)	$\Phi 21 \pm 0.8$	$\Phi 13 \pm 0.5$	$\Phi 2 \pm 0.5$
Change (Plastic reel)	$\Phi 380 \pm 2$	($\Phi 80$)	$16.4 + \frac{2}{0}$	$24.4 + \frac{2}{0}$	(20.4)	(28.4)	$\Phi 21 \pm 0.8$	$\Phi 13 \pm 0.2$	$\Phi 2 \pm 0.5$

※Plastic reel conforms to JEITA ET-7200C standard

※The above 16 mm / 24 mm indicates the embossed tape width.

3. Applicable products

Product name	No	Product type	Product No.	Embossed tape width
Detector switch	⊖	09L Detector switch	ESE58****	16mm
	⊖	1VR Detector switch	ESE16****	
	⊗	1HL Detector switch	ESE18****	
	④	1VL Detector switch	ESE13****	
	⑤	1HW Detector switch	ESE23****	
	⑥	2N Detector switch	ESE22****	
	⑦	2HL Detector switch	ESE31****	
	⑧	5N Detector switch	ESE11****	
	⑨	2W Detector switch	ESE24****	
Push switch	⊖	SMD Push switch	ESB33****	24mm

4. Change point confirmation

5M1E		Presence or absence of change	Overview
Man		Absence	No worker changes
Machine		Absence	No change of assembly equipment
Material	Product	Absence	No change in materials and parts
	Packing	Presence	Reel material change for embossed tape (contents described in section 2)
Method		Absence	No change in production method
Measurement		Absence	No change of inspection machine / measurement contents
Environment		Absence	No change of equipment installation location

MPN's Affected

ESE-11MH1T

ESE-13H01D

ESE-13V01A

ESE-13V01D

ESE-22MH24

ESE-11MH1T

ESE-13V01A