

Note: This PCN is issued by Sharp Devices Europe, other SHARP business units might have different schedules.

Product Change Notification

NOTIFICATION NO.	ISSUE DATE	LAST BUY DATE	LAST SHIP DATE
EU-PCN-20250701-01 Rev.1	17.02.2026	---	---

This is to advise you that the following product will be changed.

Product ID (Description):

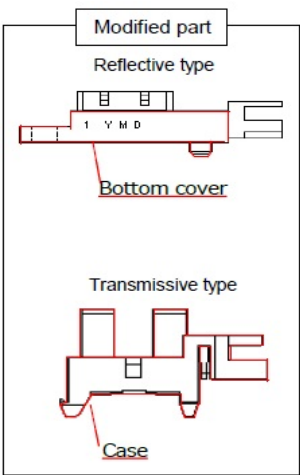
Rev. 1: Reflective~~-and transmissive~~ photointerrupters, please see the attached list of affected models. **This PCN is withdrawn for models GP1S173LCS2F and GP1A173LCS5F.**

Description of Change:

Due to our efforts to address environmentally hazardous substances, we will be changing the resin used for the cases and bottom covers of certain photointerrupters from PFAS-containing to PFAS-free.

Reflective type models :
The resin for the bottom cover will be changed.
Transmissive type models:
The resin for the entire case will be changed.

Please see the attached comparison table for more details.



Effect of Change:

This is planned as a running change starting with December 2025 production onwards.

Note:

Rev.1: Background of the Withdrawal
While preparing for the transition, we re-evaluated the product's applications. As a result, we identified significant concerns in the change of the UL94 flammability rating (V-0 to V-2). Following a careful internal review, we have decided to cancel the transition to this resin and withdraw our previous notification regarding this change for the a/m models.
We will continue our efforts to select and verify alternative resins that maintain the current flammability rating and will provide further updates as soon as a viable solution is established.

Suggested Alternative Parts and/or Manufactures:

CHANGED SHARP PART NO.	SUCCESSOR / SUGGESTED ALTERNATE PART NO.	ALTERNATE MANUFACTURER
see above	-	---

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Attachment

(Applicable Products For SDE)

Type	Part No.
Reflective type	GP2A200LCS0F
Reflective type	GP2A200LCSCF
Reflective type	GP2A210LCSJF
Reflective type	GP2A250LCS0F
Reflective type	GP2A25J0000F
Transmissive type	GP1S173LCS2F
Transmissive type	GP1A173LCS5F

フォトインタラプタ PFAS非含有樹脂への変更に関する比較表
Comparison Table Regarding the Change to PFAS-Free Resin for Photointerrupters

シャープセミコンダクターイノベーション株式会社
Sharp Semiconductor Innovation Corporation

			従来品 Current Product	変更品 Modified Product
取引品番 Business Model No.			同一 SAME	
SHARP 社内管理用品番 SHARP Internal Model No.			同一 SAME	
原産国／生産工場 Country of Origin / Manufacturing Location			同一 SAME	
材料 Materials	ケース/ウラプタ Case/Bottom cover	メーカ Manufacturer	同一 SAME	
		材料 Materials	ポリカーボネート（PFAS含有） Polycarbonate (PFAS-containing)	ポリカーボネート（PFAS非含有） Polycarbonate (PFAS-free)
		UL難燃性グレード UL flame retardant grade	一部機種にてUL94 V-0 → UL94 V-2に変更 詳細は下記難燃性グレード一覧をご参照ください Some models will be changed from UL94 V-0 to UL94 V-2. For details, please refer to the flame retardant grade list below.	
		取り付け強度 Mounting Strength	同 等 Equivalent to the current product	
		寸法・外観 Size・Visual	同 等 Equivalent to the current product	
	その他材料 Other Materials		同 一 SAME	
電気的特性(絶対最大定格含む) Electrical Spec. (Including absolute maximum rating.)			同 一 SAME	
信頼性 Product Reliability			同 一 SAME	
包装仕様・ラベル標記ルール Package Spec. / Description of Label			同 一 SAME	

樹脂難燃性グレード一覧
Flame Retardant Grade List

製品社外名 Business Model No.	従来品 Current Product	変更品 Modified Product
GP2A200LCS0F	V2	V2
GP2A200LCSCF	V2	V2
GP2A210LCSCF	V2	V2
GP2A210LCSJF	V2	V2
GP2A250LCS0F	V2	V2
GP2A25J0000F	V2	V2
GP2A451LCS0F	V2	V2
GP2A451LCSAF	V2	V2
GP1A173LCS5F	V0	V2
GP1A173LCSHF	V0	V2
GP1S173LCS2F	V0	V2

Flame Retardant Grade indicates a material's ability to resist ignition and slow the spread of fire.
Higher grades signify better fire resistance, commonly assessed through standardized tests like UL 94.

	V0	V1	V2
Burning time for each specimen	10 seconds or less	30 seconds or less	30 seconds or less
Time to glow after second flame application	30 seconds or less	60 seconds or less	60 seconds or less
Whether or not gauze is ignited by sparks	Nothing	Nothing	Yes
Total burning time of five specimens	50 seconds or less	250 seconds or less	250 seconds or less
Burning up to the fixed clamp position	Nothing	Nothing	Nothing