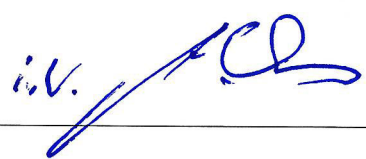



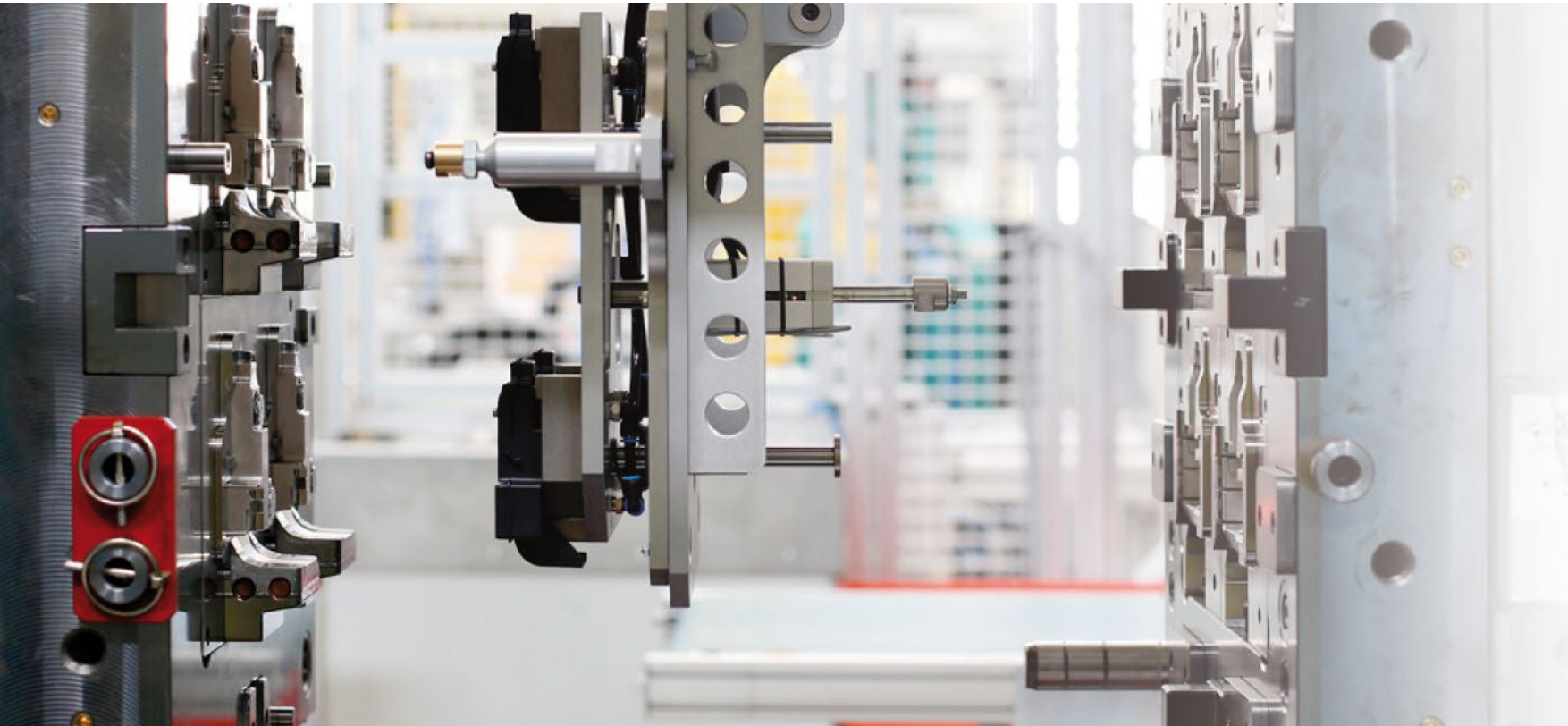
An alle FEP-Kunden,
to all customers of FEP,

Product / Process Change Notification - Produkt-/ Prozess-Änderungsmitteilung

1. ID No. / ID-Nr.: PCN022/25		2. Date of announcement / Datum der Ankündigung: 31.08.2025	
3. Product / product group: RD-Flachkontaktgehäuse, 1,5mm 1-reihig		FEP Teil-Nr. /FEP part number: siehe Anhang <i>see appendix</i>	Kd. Nr. / Customer part number: siehe Anhang <i>see appendix</i>
4. Description of change / Beschreibung der Änderung: Umstellung des Dichtungslieferanten, Grund: bisher nur single sourcing, daher Aufbau einer second source <i>Change of sealing supplier, reason: previously only single sourcing, now establishment of a second source</i>			
5. Effect on the product or for customers (quality, specification, lead time) / Auswirkung auf das Produkt oder für den Kunden (Qualität, Spezifikation, Lieferzeiten): Ausfallrisiko durch second source wird minimiert <i>risk of supply chain issues is minimized due to second source</i>			
6. Quality assurance measures / Maßnahmen zur Qualitätssicherung: Qualitätsstandards bleiben erhalten, Validierung nach Abstimmung zwischen OEM und FEP <i>quality standards are maintained, validation after coordination between OEM and FEP</i>			
7. scheduled date of introduction / geplante Einführung:		Q2/2026	
7.1 responsible person for coordination / verantwortlich für Koordination:		name:	Johann Volke
		phone	+49 3501 514 1368
		mailto:	johann.volke @fepz.de
8. Customer feedback / Rückmeldung vom Kunden:			

Quality Management: André Wiemann Tel: +49 3501 514 1786 mailto: andre.wiemann@fepz.de		Signature:	
Product Marketing: Willi Jautze Tel: +49 3501 514 213 mailto: willi.jautze@fepz.de		Signature:	

Customer acknowledgement Bestätigung durch den Kunden	Signature/ Position:
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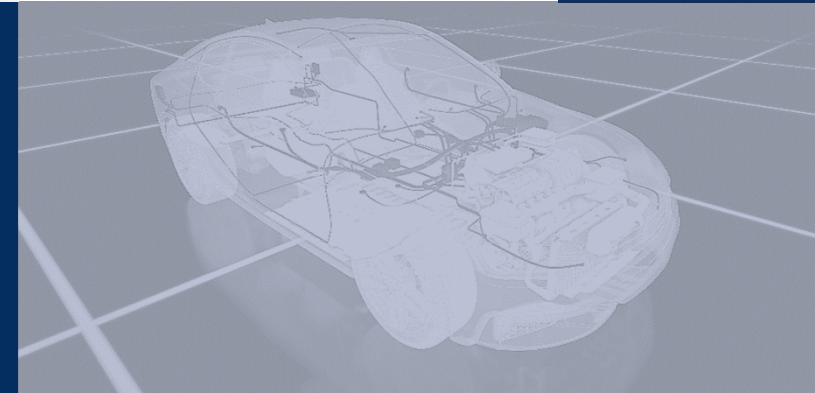
Appendix to PCN

1.5mm 1 row
contact housings – FEP
type „FKG(R)N“
(for MCP contacts)

New supplier for sealings

26.05.2025

Innovation >> Dynamik >> Leidenschaft



Content

1. General information
2. Affected parts
3. Material of sealing
4. Validation

1. General information

- FEP wants to ensure delivery capability of contact housings
 - additional supplier as second source for silicon-sealings is established
 - new tools for sealings will be built
- 1.5mm connector housings of type “FKG(R)N” from FEP will be equipped with sealings from new supplier (same production site of sealings for all parts)
- complete carry over of design and material of existing sealing
 - some housings adapt material with lower hardness (30 Shore A) from other housings
 - affected parts see next pages
- no change of FEP part numbers
- drawings will be updated

2. Affected parts

Tab.1 - Parts without change in Shore-hardness:

pole	short cut	FEP-part-no.	CPA	Coding
2	FKGN 2-1,5FEP	42511000	No	I
2	FKGN 2-1,5A/FEP	42511100	No	II
3	FKGN 3-1,5FEP	42511400	No	I
3	FKGRN 3-1,5G/FEP	42541100	Yes	I
3	FKGN 3-1,5E/FEP	42511500	No	II
3	FKGN 3-1,5B/FEP	42511800	No	III
3	FKGN 3-1,5F/FEP	42511700	No	III
4	FKGN 4-1,5FEP	42512100	No	I
5	FKGN 5-1,5FEP	42512300	No	I
5	FKGRN 5-1,5A/FEP	42541200	Yes	I
4/5	FKGRN 4/5-1,5A/FEP	42549400	Yes	I
4/5	FKGRN 4/5-1,5AZ/FEP	42549300	Yes	I

2. Affected parts

Tab.2 - Parts with reduction of Shore-hardness:

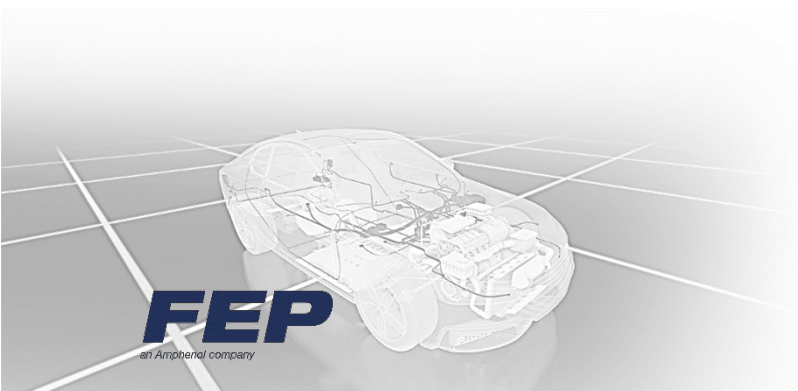
Pole	short cut	FEP-part-no.	CPA	Coding
2/5	FKGRN 2/5-1,5A/FEP	42549900	Yes	
2/5	FKGRN 2/5-1,5AZ/FEP	42549700	Yes	
3/5	FKGRN 3/5-1,5A/FEP	42549800	Yes	

3. Material of sealing

- use of same material for all sealings
- no change of material for parts in tab.1
 - new supplier uses identical material
 - same type and manufacturer of silicon raw material
- change of material for parts in tab.2 to same material like housings in tab.1 (from 50 to 30 Shore A)

4. Validation

- validation in accordance to LV214 (content for duplicate tool for new sealing) will be done on reference parts with VW-labeling (content aligned with VW)
- validation only of contact housings with coding A
→ carry over results for other codings
- test groups according to LV214:
0/1/7/17/21/22/23
- validation results (documents) will be available for VW-part-numbers; for FEP-variants we will attach COC document as confirmation for fulfilling test specification LV214 to the EMPB / PPAP documentation



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