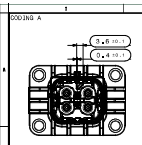
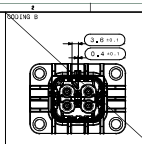
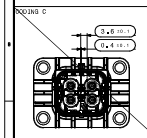
CODING A



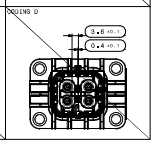
CODING B

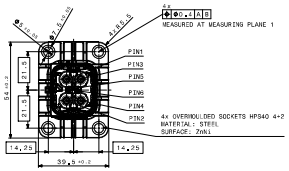


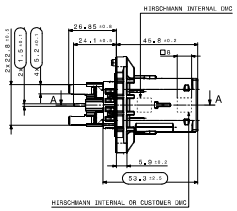
CODING C

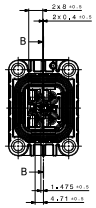


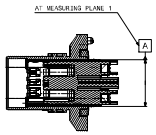
CODING D

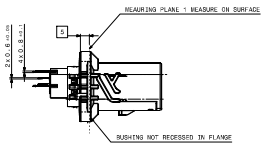


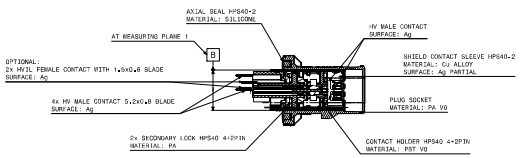




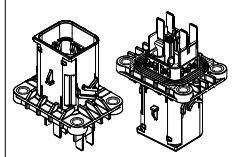




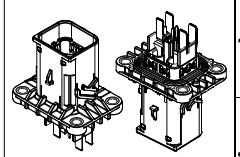




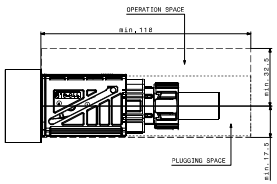
ISOMETRIC VIEW WITHOUT HVIL:

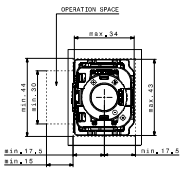


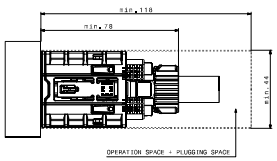
ISOMETRIC VIEW WITH HVIL:



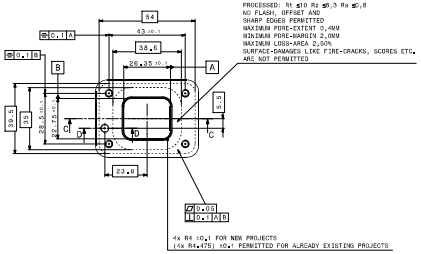
OPERATION AND PLUGGING SPACE

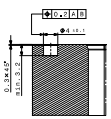


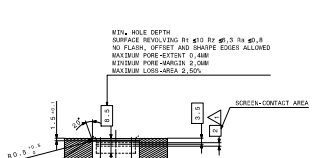




ASSEMBLING OPENING







PART NUMBER	CODING	COLOR	HVIL	REVISION
~~809-490-014~~	9	~~PURPLE RAL4004~~	NO	B
~~809-490-013~~	9	~~BLUE RAL5012~~		B
~~809-490-015~~	9	~~NATURAL WHITE RAL9010~~		B
809-490-011	A	BLACK SIMILAR RAL9011		B
~~809-490-004~~	9	~~PURPLE RAL4004~~	YES	A
~~809-490-003~~	9	~~BLUE RAL5012~~		A
~~809-490-005~~	9	~~NATURAL WHITE RAL9010~~		A
809-490-001	A	BLACK SIMILAR RAL9011		A

GENERAL TOLERANCES FOR UNTOLERATED DIMENSIONS:

1. ANGLE-DIMENSIONS [°]:
   TOLERANCE FOR ALL ANGLE-DIMENSIONS: ±2°
2. RADII: [mm]

0	1	1-3	3-10	10-30	30-50	50-120
±0,2	±0,3	±0,4	±0,5	±1	±2	

3. DISTANCE-DIMENSIONS: DIN 2768-mH
4. GENERAL TOLERANCE FOR SYMMETRY: ⌯ 0,2

CONNECTOR KEY-FACTS:

CONTACT CHAMBER:	1-2	3-4
CONTACT SYSTEM:	Φ4	1,2x0,6

WATER TIGHTNESS (IP-CODE) ACC ISO 20653	IPx7
WATER TIGHTNESS ACC LV214 2010-04	PG23
DYNAMIC LOAD ACC LV214 PG17 2010-04	SG3
TEMPERATURE AREA (1000h) ACC LV214 PG21 2010-04	-40°C / +140°C
FLAME RESISTANCE ACC UL94 (ACC. DATA SHEET)	HB

ADDITIONAL VALID DOCUMENTS:

	HA NUMBER:	CUSTOMER NUMBER:
MATCHING TO INTERFACE CONNECTION:	808-264-...	---
MATCHING COUNTERPART HIRSCHMANN:	809-987-...	---
PRODUCT SPECIFICATION:	EPS-100139	---

SCREW SUGGESTION:

⚠ IN NEW CONDITION A CONTACT RESISTANCE OF 0,5mOhm BETWEEN THE SOCKET AND THE COUNTER PART HAS TO BE HELD.

2. LENGTH OF SCREW DEPENDING OF RAW MATERIAL CHOOSEN BY THE APPLICATION.
3. MINIMUM PERMITTABLE SURFACE PRESSURE OF THE AGGREGATE-MATERIAL: 150N/mm² (ACCORDING TO THE HIRSCHMANN SCREWING SUGGESTION)
4. MINIMUM PERMITTABLE E-MODULE OF THE AGGREGATE MATERIAL: 65kN/mm²
5. FOR CORROSION-STRESSED COMPONENTS ALUMINIUM WITH Cu≤0,1% / Fe≤1% / Mg≤3% IS RECOMMENDED
6. DETAILS OF IMPLEMENTATION ARE DEFINED BY THE MANUFACTURER. EVIDENCE OF FUNCTION HAS TO BE PROVIDED VIA
7. PRODUCT-VALIDATION AND IS IN THE RESPONSABILITY OF THE AGGREGATE-MANUFACTURER

METRICAL SCREW:

8. SCREW-AND WASHER ASSEMBLY M4x20 TORX T20
   (ACC. DIN 6900-5; SPRING WASHER ACC. DIN 6908; HEAD SHAPE RELATED TO DIN EN ISO 7045) RESISTANCE 8,6 => SURFACE 6-8µm ZnNi IRIDESCENT PASSIVATED >>> THE SPRING WASHER IS ALREADY PRE-ASSEMBLED AND SECURED ON THE SCREW
9. TIGHTENING TORQUE: 2Nm

SELF-CUTTING SREW:

10. ELOT AP 40X20; CORE-HOLE DIAMETER 3,6 +0,05mm
11. TIGHTENING TORQUE: 3,5Nm

COMMENTS:

1. CODING A DRAWN
2. DELIVERY STATUS AS DRAWN
3. ENGLISH TEXT IS VALID
4. MISSING DIMENSIONS SEE CAD-MODEL. THEREFORE THE GENERAL-TOLERANCES ARE VALID
5. DESIGN DEVIATIONS COMPARED WITH DETAIL DRAWINGS ARE INSIGNIFICANT, THE DETAIL DRAWINGS ARE VALID.
6. PART CORRESPONDS TO EU SCRAP CAR GUIDELINE 2000/53/EG.
7. CHANGES BASED ON TECHNICAL PROGRESS ARE IN THE DICISION OF THE MANUFACTURER! DETAILS OF IMPLEMENTATION ARE LEFT TO MANUFACTURER
8. NO RECLAIM PERMITTED
9. PART IDENTIFICATION SIMILIAR DIN 1451
10. DRAFT ANGLE WITHIN TOLERANCE.
11. MAX. SPLIT LINE 0,2
12. MAX. BURR 0,2
13. DIMENSIONS MARKED WITH ( ) ARE DOCUMENTED IN THE INITIAL SAMPLE INSPECTION REPORT (ISIR), UNMARKED DIMENSIONS ARE ALSO MEASURED
14. PACKAGING ACC. TO HIRSCHMANN PACKAGING SPECIFICATION

00		decision taken whether added or not (PPAP), added table ST-4954, ST-4955	27.07.2004 HAN
01		ADAPTED TO... (ADAPTED PLUG SOCKET MATERIAL, UPDATED DRAWING);	14.07.2005 HAN
02	01	CHANGED TABLE AND ADDED INTERLOCK, CHANGED INDICES FROM 001 UNTIL 004 TO 401 UNTIL 404;	10.12.2020 HAN
03	01	ADDED INDICES FROM 411 UNTIL 414;	14.04.2021 HAS
04		Internetseite / Bilder aktiviert	25.09.2018 MOS

05		added tolerance for symmetry, added new dimension tolerances for bushing position to basic dimensions, added position tolerance, added index ST-4414, added EMC-declaration, crossed out index 411, adapted radius	21.01.2022 HAN
06		added index 412, 413, 414, added new dimension tolerances, adapted min. allowable surface-depth, added marking (data for testing dimension)	14.07.2022 HAN
07		ADAPTED TO... (ADAPTED PLUG SOCKET MATERIAL, UPDATED DRAWING);	10.12.2020 HAN
08		CHANGED TABLE AND ADDED INTERLOCK, CHANGED INDICES FROM 001 UNTIL 004 TO 401 UNTIL 404;	14.04.2021 HAS
09		ADDED INDICES FROM 411 UNTIL 414;	25.09.2018 MOS

DRAWN	27.07.2004	DATE	
CHECKED	27.07.2004	NAME	
DEPT.			
APPROVED	27.07.2004		

TITLE / BENENNUNG: HPS40 4+2 Aggregatanschluss Blade

DATA V5

SCALE / MSTB.: 5:1

SUBTITLE / ZUSATZ TEXT: P-03517

FORMAT: A0

SHEET / BLATT: 1/1

DRAWING NO. / ZEICHNUNGSNUMMER: 809-490-...00

REV. NO. / REVISIONSNR.: 09

REV. DATE / REVISIONSDATUM: 25.09.2018

HIRSCHMANN AUTOMOTIVE

Controlled status available in the system!

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Plot Form: 2D-ACT-A4-ZEICHNUNG Plot Date: 2024-03-11 14:08 Plot by: Status: Konstruktion