

CHIPRINGS OVERVIEW v.2024.01 (Update of v.2022.03)						
CHIP TYPE / MANUF.	RING TYPE / PRODUCER	CHIP PROPERTIES	MARKING	CUSTOM-ID	REPORTS	APPROVALS
4002 EM-Microelectronic Marin	Tipes SID-351 / Motz 1996 - Out of production	64 Bit R/O	> 10y old ring	Custom-ID Germ.: 0F		Neth., Germ.: Not allowed
	ATIS-ring / Gantner		Blue	Custom-ID Germ.: 04		
	TauRIS R/O / Rüter		Blue	Custom-ID Germ.: 04		
V4061 EM-Microelectronic Marin	ATIS-ring / Gantner	128 Bit R/W		Custom-ID Germ.: <u>7E</u> ²⁾		
V4065 EM-Microelectronic Marin Upgrade of V4002	AEG-500 / AEG ID (Ulm) 1999 - Out of production	64 Bit: 64 Bit R/O (H4002), incl. 8 Bit rnd (+6 par. Bit) R/W	Black, grey, Blue, lila	Custom-ID Germ.: <u>7F</u>		Netherlands: NPO approved Germany: Withdrawn
	SID-500 Univ. /Sokymat /Tipes 500 Out of production since 1999					
V4066 /NOVA /Sokymat EM-Microelectronic Marin	TauRIS VR1/ Sokymat Out of production	128 Bit: 64 Bit R/O (H4002), 64 Bit not useable	Black	Custom-ID: 14 Reserved (Sokymat): 14		Netherlands: NPO approved
	Bricon VR1 / Sokymat Out of production					
P4165 / AEG EM-Microelectronic Marin Upward compatible successor of V4065. 2002 - Out of production	Tipes 600 / SID-600 / AEG ID (Ulm) Produced since 2000	192 Bit: 64 Bit R/O (H4002), incl. 8 Bit rnd no. (Internal rnd gen.) 128 Bit (8 words) user R/W	Black	Custom-ID Neth.: <u>7A</u> , 79 Custom-ID Germ.: <u>7A</u> , <u>79</u> , (7B withdrawn) Custom-ID Belg.: <u>79-7F</u> ¹⁾ Reserved: 7A-7E		Netherlands: NPO approved

	TauRIS-600 / Rüter, Produced since 2000	<i>Config.:</i> 16 Bit; 8 lockbits, 8 Bit unused <i>Read Config. =</i> Read p0 (instead of last 16 Bits, 15 Config. Bits are read)	Black Print: TauRIS 600	Custom-ID Belg.: <u>79</u> , 7A Custom-ID Germ.: <u>7A</u>	Report (TNO): EIB-RPT-10055, 21-05-2001	Belgium: KBDB approved Germany: DV approved
	Bricon-2000 / Bricon Produced since 2000			Custom-ID Belg.: <u>79-7F</u> Reserved: 7A-7E Custom-ID Germ.: <u>7A</u>	Report (TNO): EIB-RPT-10055, 21-05-2001	Belgium: KBDB approved
	Bricon-3000 / Bricon Produced since 2001			Custom-ID Germ.: <u>7A</u> , 79 Custom-ID Neth.: 7A Custom-ID Belg.: <u>79-7F</u> Custom-ID UK: <u>7A-7F</u> Reserved: 7A-7E		
P4165+ / AEG EM Microelectronic Marin Update of P4165 (smaller chip) Produced since 2002	Tipes 600+ / AEG ID (Ulm) Produced since 2002	<i>192 Bit:</i> 64 Bit R/O (H4002), incl. 8 Bit rnd no. (Internal rnd generator), 128 Bit (8 words) user R/W		Custom-ID Germ.: <u>7A</u> Custom-ID Neth.: 7A Custom-ID Belg.: <u>79</u> Reserved: 7A-7E		(Based on Tipes 600)
P4165+ / AEG EM Microelectronic Marin (continued)	TauRIS 600+ / Rüter Produced since 2002	<i>Config.:</i> 16 Bit; 8 lockbits, 8 Bit unused <i>Read Config. =</i> Read p0 (instead of last 16 Bits, 15 Config. Bits are read)	Black Print: TauRIS 600+	Custom-ID Belg.: <u>79</u> , 7A Custom-ID Germ.: <u>7A</u> Custom-ID Neth.: 7A		Belgium: KBDB approved Germany: DV approved (Based on Tauris 600)
	Bricon-3000+ / Bricon			Custom-ID Belg.: <u>79</u> , <u>7A</u> , <u>7B</u> , <u>7F</u>		(Based on Bricon

	Produced since 2002			Custom-ID Germ.: 7A, 79 Custom-ID Neth.: 7A Reserved: 7A-7E		3000)
V4166 / NOVA EM Microelectronic Marin Successor of V4066	Tipes MC601 / Motz / Sokymat	64 / 128 Bit R/W, 8 Bit rnd no.	Black	Custom-ID Neth.: 70-74 Reserved (Sokymat): 15, 70-74 Custom-ID Germ.: <u>70-74</u>		Netherlands: NPO approved
	VR2 / Sokymat Out of production			Reserved (Sokymat): 14, 15		
Deister custom CAT 703	Unikon (lila) / Deister	64 Bit R/W	Print: code	Custom-ID Germ.: <u>CF</u>		
Hitag-2 / Philips	Tipes 602 / Tipes	256 Bit R/W, 128 Bit user, 32 Bit UID, 8 Bit rnd no.		Custom-ID Neth.: <u>CD</u> , 75 Reserved: 7A-7E Custom-ID Germ.: 75		Netherlands: NPO approved
	Unikon UCR2 / Deister		Green Print: UC2 + code	Custom-ID Neth.: <u>CD</u> Custom-ID Germ.: CD Custom-ID UK: <u>CD</u>		Netherlands: NPO approved
	MEGA NPO / Rex			Custom-ID Neth.: <u>CD</u> Custom-ID Germ.: CD		Netherlands: NPO approved

	Benzing BR		Red, blue, green	Custom-ID Germ.: <u>CB</u>		Netherlands: NPO approved
	Interfly NPO Blauw mini / Rex		Blue Print: NPO	Custom-ID Neth.: <u>CD</u> Custom-ID Germ.: CD		Netherlands: NPO approved
	Interfly NPO Blauw / Rex (Out of production)		Blue	Custom-ID Germ.: CD		Netherlands: NPO approved
	NPO (-3000) / Rex		Blue / Print: NPO	Custom-ID Neth.: <u>CD</u> Custom-ID Germ.: CD		Netherlands: NPO approved
	TauRIS-2000 / Rüter		Black, blue, red Print: TauRIS 2000	Custom-ID Germ.: <u>CE</u> , CA Custom-ID UK: <u>CE</u> , CA		Germany: DV approved
Hitag-S / Philips	Unikon UCR-3 / Deister	256 Bit R/W, 128 Bit user, 32 Bit UID, 8 Bit rnd no.	Dark green Print: UC3 + code	Custom-ID Neth.: <u>B0</u> Custom-ID Germ.: <u>D0</u> Custom-ID Belg.: <u>C9</u> Custom-ID UK: <u>C9</u>	Report (TNO): 04-RPT-009, 15-01-2004	FCI approved
	Tipes MC603 /Motz /Sokymat		Black, green, red Print: NPO MC603 / Tipes MC603	Custom-ID Neth.: <u>B2</u> , CA Custom-ID Germ.: <u>D2</u> , 76 Custom-ID Belg.: <u>C9</u> , 76-78 Custom-ID UK: <u>C9</u> , 76, 79 Custom-ID other countries: 76	Report: WSM-RPT-05 107, 08-12-2005	FCI Approved

Hitag-S / Philips (continued)	TauRIS-S / Rüter	256 Bit R/W, 128 Bit user, 32 Bit UID, 8 Bit rnd no.	black, blue, red Print: TauRIS-S	Custom-ID Neth.: <u>B4</u> , B5 Custom-ID Germ.: <u>D4</u> , D5 Custom-ID Belg.: <u>C6</u> , <u>D4</u> , D5 Custom-ID UK: <u>D4</u> , D5	Report: WSM-RPT-06 108, 16-03-2007	FCI Approved
	Bricon-5000 / Bricon			Custom-ID UK: <u>C5</u> , C4 Custom-ID Belg.: <u>C5</u> , <u>C9</u> , C4 Custom-ID Neth.: <u>B6</u> , C4, C5 Custom-ID Germ.: <u>D6</u> , C4, C5	No report	FCI Approved Belgium: KBDB approved Netherlands: NPO approved Germany: DV approved
	Benzing Pro / Benzing		Red, blue, green	Custom-ID UK: <u>DA</u> , <u>DB</u> Custom-ID Belg.: <u>DA</u> , C3 Custom-ID Neth.: <u>BA</u> , BB, C1 Custom-ID Germ.: <u>DA</u> , DB Custom-ID China: EC	Report: WSM-RPT-06 114 /2 Issue 2: 05-03-2007	FCI Approved
	Benzing Pro-2 / Benzing		<u>Blue</u> , red, grn, black	Custom-ID Germ./Intern.: DA, DB, DC, DD Custom-ID Belgium: DA, DB, DC, DD, C3 Custom-ID Neth.: BA, BB, C1 Custom-ID UK: DA, DB, DC, DD Custom-ID China: EC	Report: WSM-RPT-21 237	FCI Approved
	Benzing iCHIP, ChipClip				No report	FCI Approved
	Mega Super / Rex		Blue Print: HT-S	Custom-ID Belg.: <u>C7</u> Custom-ID Neth.: <u>B8</u> Custom-ID Germ.: <u>D8</u> Custom-ID UK: <u>C7</u> , <u>D8</u> , <u>D9</u>	No report	FCI Approved

	Interfly NPO / Rex	256 Bit R/W, 128 Bit user, 32 Bit UID, 8 Bit rnd no.	Blue	Custom-ID Germ.: <u>DE</u>	No report	FCI Approved
	Motz / Vizion		Black, blue, red Print: Vizion V10	Custom-ID: 7D	Report: WSM-RPT-09 142, 14-01-2010 + Declaration. of Conformity	FCI Approved
	TOPigeon / PBO Solutions		Blue Black Print: TOP	Custom-ID: AA 1) Custom-ID: AE	Report: WSM-RPT-12 175, 14-12-2012. + Declaration. of Conformity	FCI Approved

1) ID conflict

2) Underlined: officially published