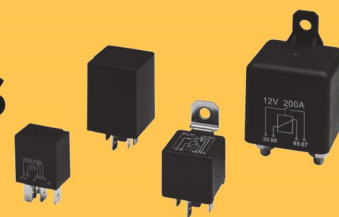


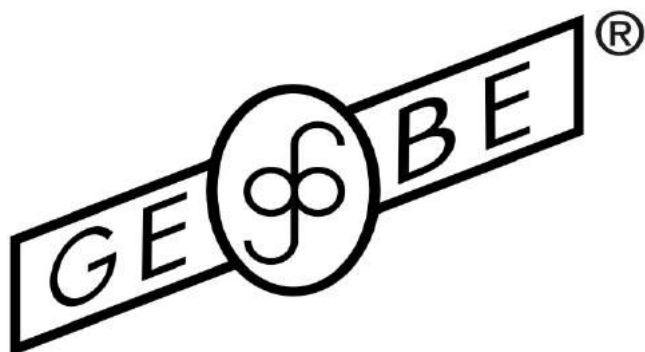
Automobilelektronik und Relais / Électronique automobile et relais

Automotive Electronics and Relays 2018/19



Quality inside





AUSGABE
EDITION

2018/2019

Quality inside

Neue Teile
New parts
Nouveaux produits

=

NEW

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You can find all GEBE part numbers with the **GEBE-compass**.

The part numbers can be look up via cross reference numbers, unitnumbers, or vehicle applications.

The GEBE-compass is available **online or as App**.



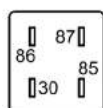
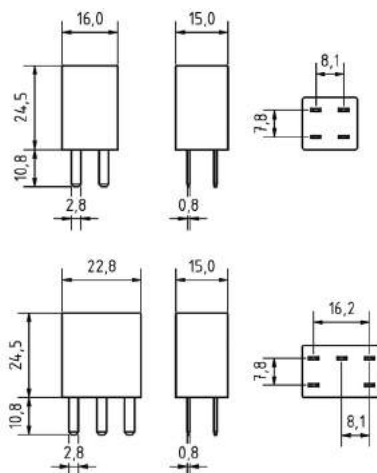
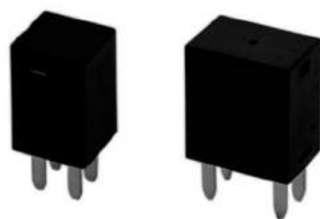
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RELAYS/DEVICES 2018/2019

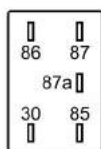
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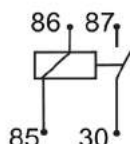
Ultra Micro Relays / Ultra Mikro Relais



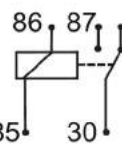
T17



T18



C1

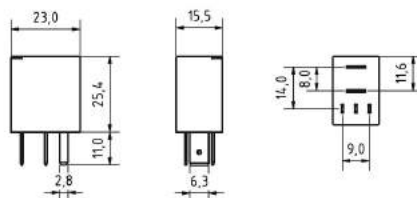


C4

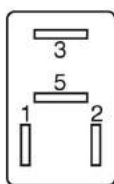
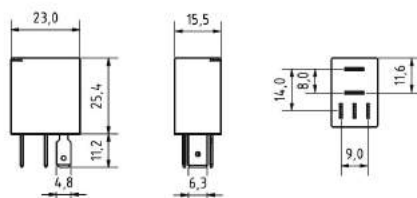
Micro Relays / Mikro Relais



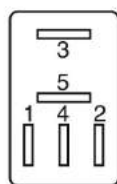
Version 2.8mm (T15 / T16)



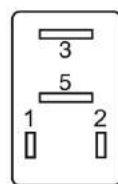
Version 4.8mm (T13 / T14)



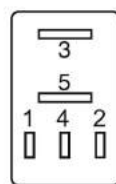
T13



T14



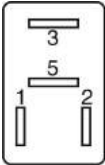
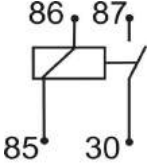
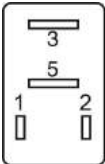
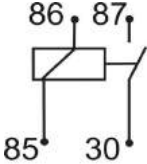
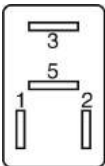
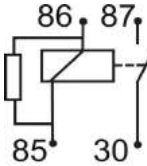
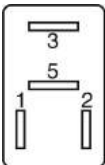
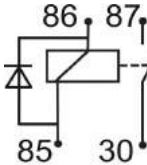
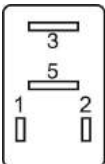
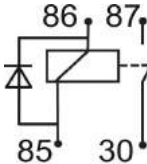
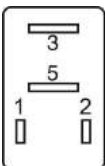
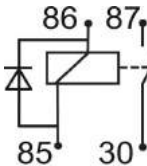
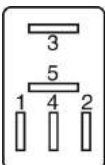
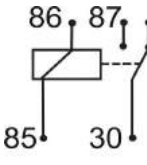
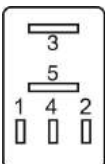
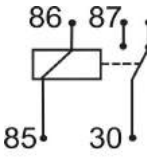
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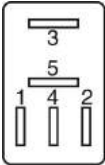
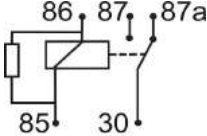
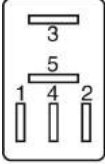
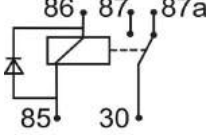
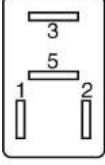
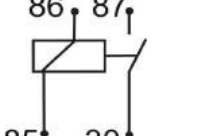
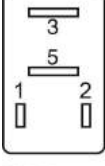
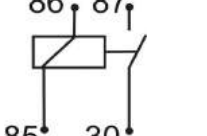
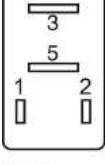
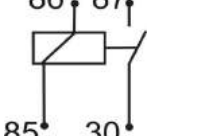
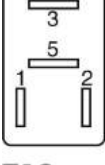
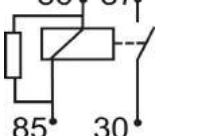
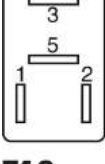
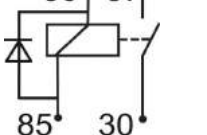
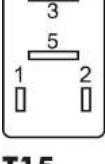
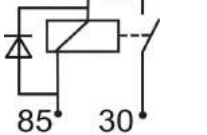
T16

MIKRO / ULTRAMIKRO RELAIS

MICRO / ULTRA MICRO RELAYS

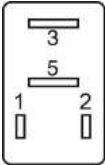
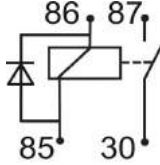
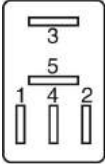
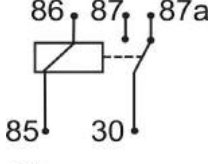
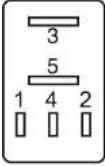
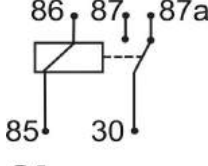
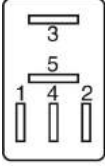
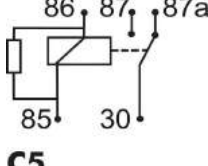
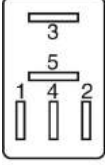
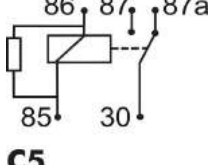
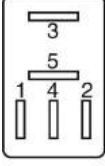
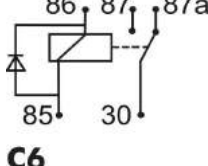
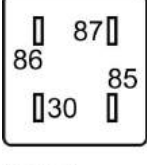
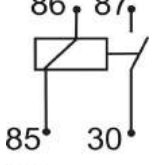
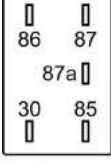
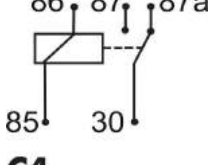
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T13	 C1	9 9048 1	12V	25A	Normally Open	
	 T15	 C1	9 9050 1	12V	25A	Normally Open	2,8mm Version
	 T13	 C2	9 9053 1	12V	25A	Normally Open with Resistor	
	 T13	 C3	9 9054 1	12V	25A	Normally Open with Diode	Sealed
	 T15	 C3	9 9051 1	12V	25A	Normally Open with Diode	2,8mm Version
	 T15	 C3	9 9058 1	12V	25A	Normally Open with Diode	2,8mm Version Sealed
	 T14	 C4	9 9055 1	12V	15/25A	Changeover	Sealed
	 T16	 C4	9 9320 1	12V	15/25A	Changeover	2,8mm Version

MIKRO / ULTRAMIKRO RELAIS MICRO / ULTRA MICRO RELAYS

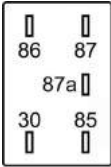
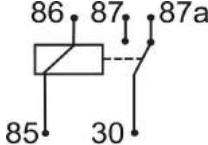
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T14	 C5	9 9056 1	12V	15/25A	Changeover with Resistor	
	 T14	 C6	9 9057 1	12V	15/25A	Changeover with Diode	Sealed
	 T13	 C1	9 9059 1	24V	15A	Normally Open	
	 T15	 C1	9 9286 1	24V	15A	Normally Open	2,8mm Version
	 T15	 C1	9 9412 1	24V	15A	Normally Open	2,8mm Version Sealed
	 T13	 C2	9 9425 1	24V	10A	Normally Open with Resistor	
	 T13	 C3	9 9289 1	24V	10A	Normally Open with Diode	Sealed
	 T15	 C3	9 9287 1	24V	15A	Normally Open with Diode	2,8mm Version

MIKRO / ULTRAMIKRO RELAIS

MICRO / ULTRA MICRO RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T15	 C3	9 9422 1	24V	15A	Normally Open with Diode	2,8mm Version Sealed
	 T14	 C4	9 9290 1	24V	10/15A	Changeover	Sealed
	 T16	 C4	9 9288 1	24V	5/10A	Changeover	2,8mm Version
	 T14	 C5	9 9139 1	24V	5/10A	Changeover with Resistor	Sealed
	 T14	 C5	9 9291 1	24V	10/15A	Changeover with Resistor	Sealed
	 T14	 C6	9 9292 1	24V	10/15A	Changeover with Diode	Sealed
	 T17	 C1	9 9364 1	12V	20A	Normally Open	
	 T18	 C4	9 9365 1	12V	20/30A	Changeover	

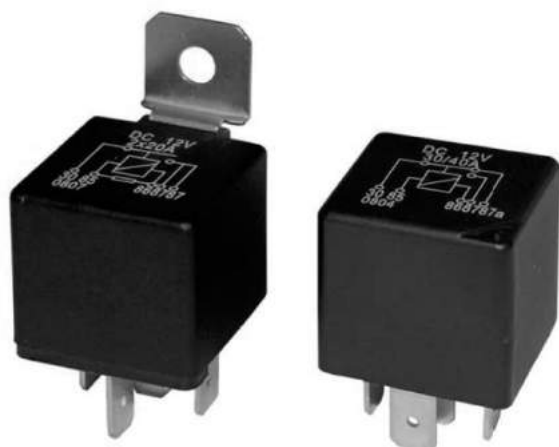
MIKRO / ULTRAMIKRO RELAIS
MICRO / ULTRA MICRO RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9384 1	24V	10/20A	Changeover	

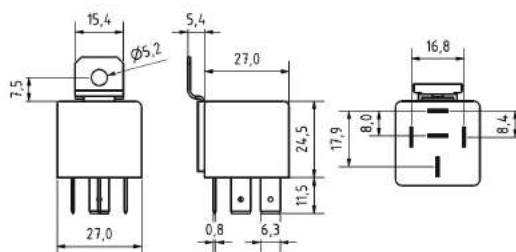
T18

C4

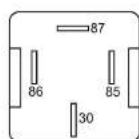
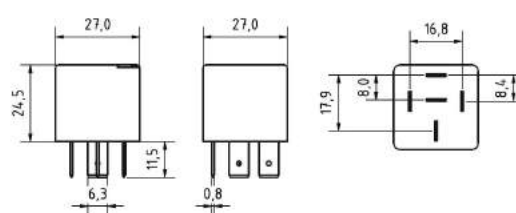
Mini Relays / Mini Relais



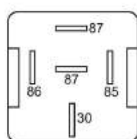
Mit Lasche / With Bracket



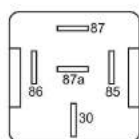
Ohne Lasche / Without Bracket



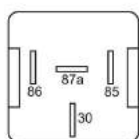
T1



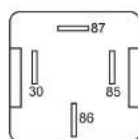
T2



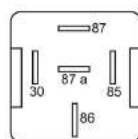
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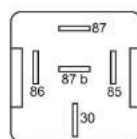
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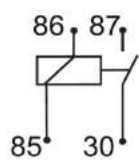
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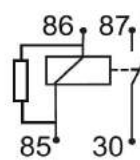
T10



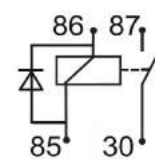
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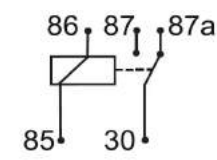
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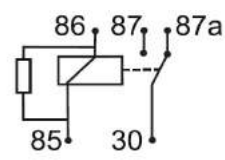
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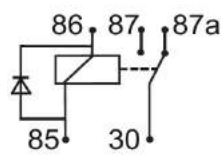
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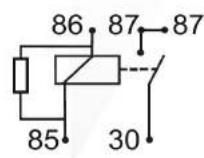
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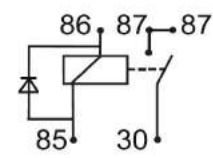
C5



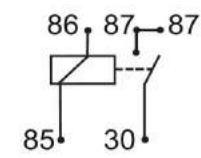
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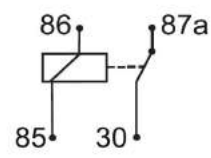
C7



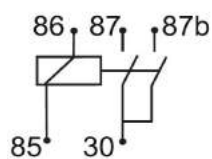
C8



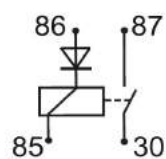
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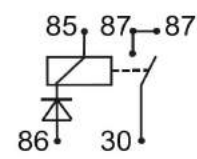
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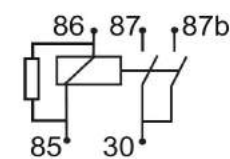
C11



C14



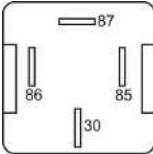
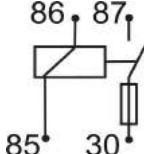
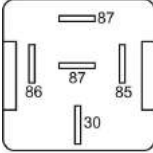
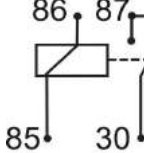
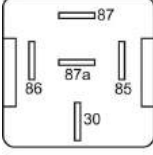
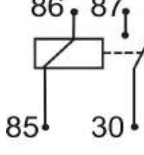
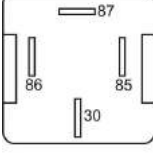
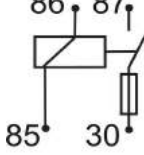
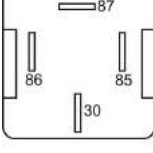
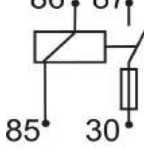
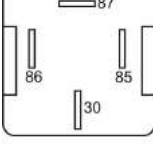
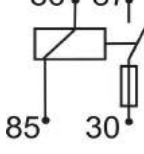
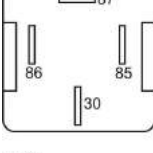
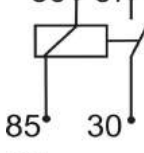
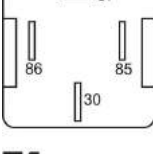
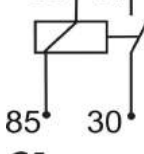
C15



C16

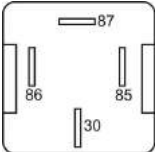
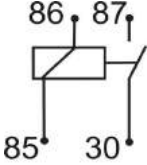
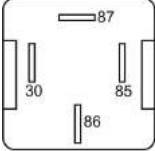
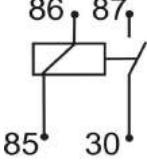
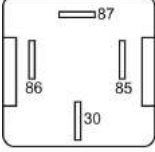
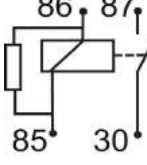
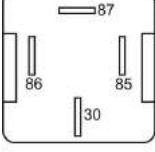
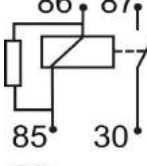
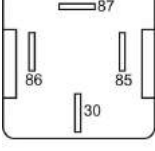
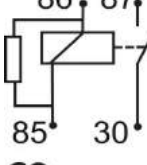
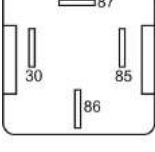
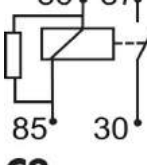
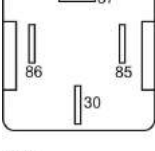
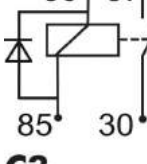
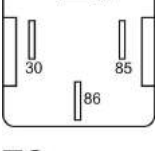
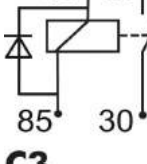
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9010 1	6V	15A ATO Fuse	Normally Open	with Bracket
			9 9078 1	6V	40A 2x87	Normally Open	with Bracket
			9 9112 1	6V	30/40A	Changeover	with Bracket
			9 9000 1	12V	15A ATO Fuse	Normally Open	with ATO fuse with Bracket
			9 9510 1 NEW		20A ATO Fuse	Normally Open	with ATO fuse with Bracket
			9 9482 1 NEW	12V	30A ATO Fuse	Normally Open	with ATO fuse with Bracket
			9 9001 1	12V	30A	Normally Open	with Bracket
			9 9002 1	12V	40A	Normally Open	with Bracket

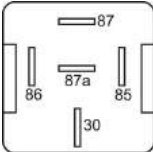
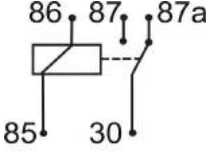
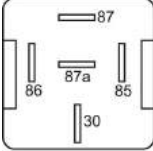
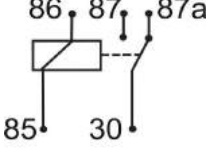
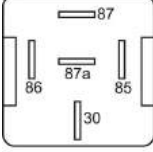
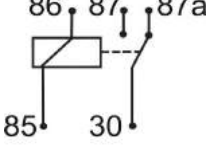
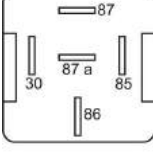
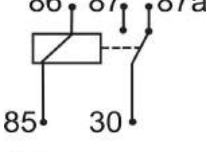
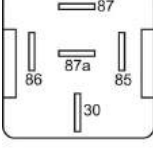
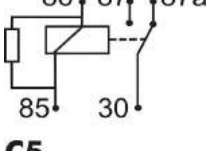
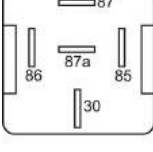
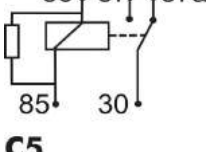
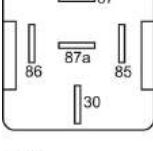
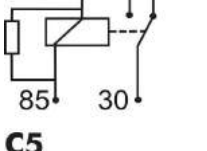
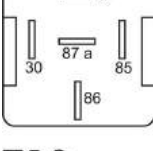
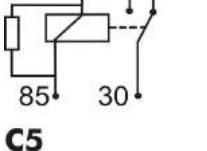
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T1	 C1	9 9157 1	12V	40A	Normally Open	without Bracket
	 T9	 C1	9 9297 1	12V	30A	Normally Open	Swapped Pins 30 & 86 with Bracket
	 T1	 C2	9 9300 1	12V	30A	Normally Open with Resistor	without Bracket Sealed
	 T1	 C2	9 9305 1	12V	40A	Normally Open with Resistor	with Bracket
	 T1	 C2	9 9304 1	12V	40A	Normally Open with Resistor	without Bracket
	 T9	 C2	9 9302 1	12V	30A	Normally Open with Resistor	Swapped Pins 30 & 86 without Bracket Sealed
	 T1	 C3	9 9306 1	12V	40A	Normally Open with Diode	with Bracket
	 T9	 C3	9 9310 1	12V	40A	Normally Open with Diode	Swapped Pins 30 & 86 with Bracket

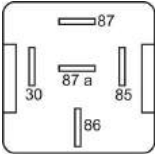
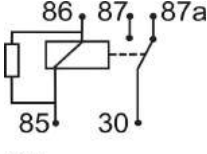
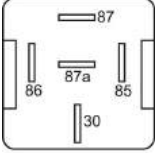
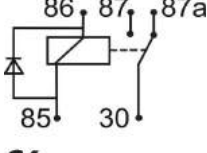
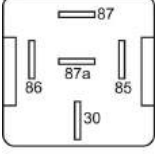
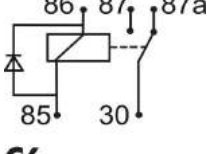
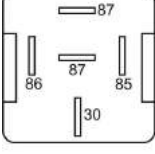
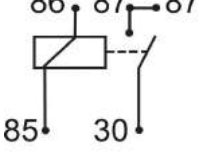
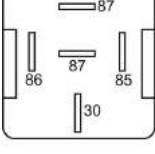
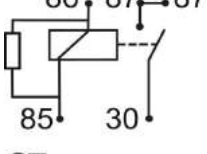
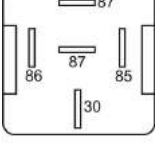
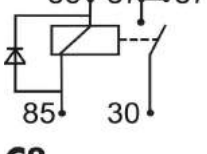
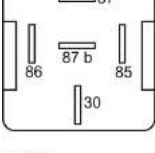
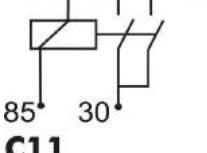
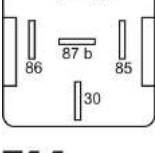
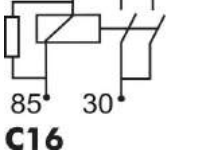
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T3	 C4	9 9003 1	12V	30/40A	Changeover	without Bracket
	 T3	 C4	9 9004 1	12V	30/40A	Changeover	with Bracket
	 T3	 C4	9 9060 1	12V	30/40A	Changeover	without Bracket Sealed
	 T10	 C4	9 9298 1	12V	20/30A	Changeover	Swapped Pins 30 & 86 with Bracket
	 T3	 C5	9 9301 1	12V	20/30A	Changeover with Resistor	without Bracket Sealed
	 T3	 C5	9 9061 1	12V	30/40A	Changeover with Resistor	without Bracket Sealed
	 T3	 C5	9 9307 1	12V	30/40A	Changeover with Resistor	with Bracket
	 T10	 C5	9 9303 1	12V	20/30A	Changeover with Resistor	Swapped Pins 30 & 86 without Bracket Sealed

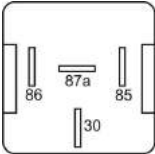
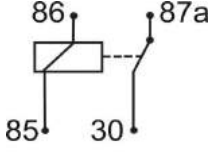
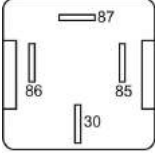
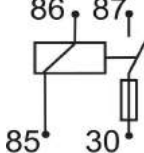
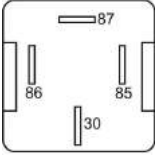
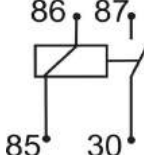
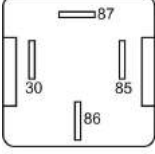
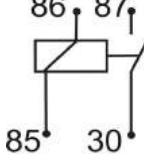
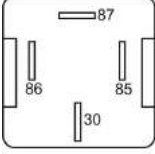
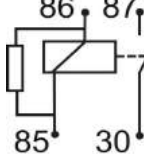
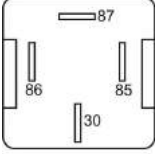
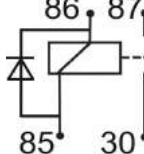
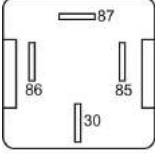
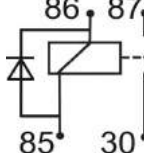
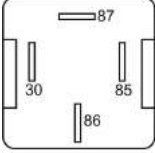
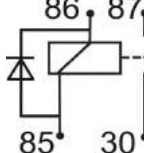
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
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			9 9062 1	12V	30/40A	Changeover with Diode	without Bracket Sealed
			9 9308 1	12V	30/40A	Changeover with Diode	with Bracket
			9 9005 1	12V	40A 2x87	Normally Open	with Bracket
			9 9006 1	12V	40A 2x87	Normally Open with Resistor	with Bracket
			9 9309 1	12V	40A 2x87	Normally Open with Diode	with Bracket
			9 9295 1	12V	2x25A	Normally Open	with Bracket
			9 9296 1	12V	2x25A	Normally Open with Resistor	with Bracket

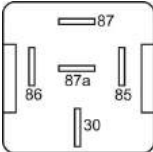
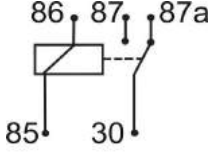
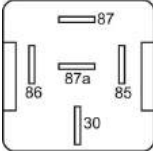
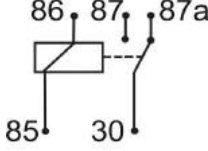
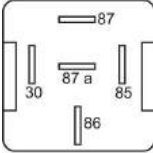
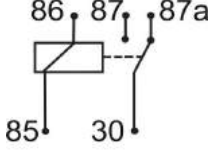
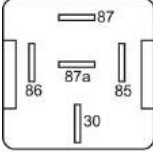
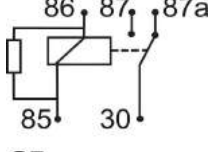
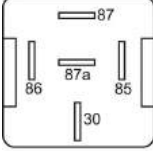
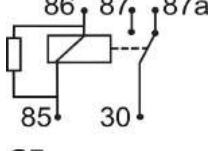
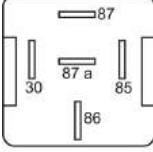
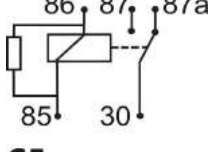
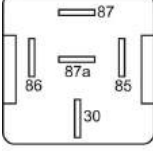
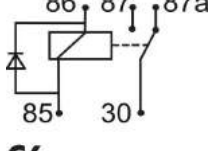
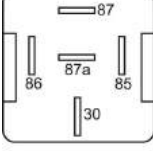
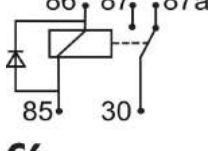
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T4	 C10	9 9293 1	12V	20A	Normally Closed	with Bracket
	 T1	 C12	9 9007 1	24V	15A ATO Fuse	Normally Open	with ATO fuse with Bracket
	 T1	 C1	9 9008 1	24V	20A	Normally Open	with Bracket
	 T9	 C1	9 9069 1	24V	20A	Normally Open	Swapped Pins 30 & 86 with Bracket
	 T1	 C2	9 9071 1	24V	20A	Normally Open with Resistor	without Bracket Sealed
	 T1	 C3	9 9105 1	24V	20A	Normally Open with Diode	with Bracket
	 T1	 C3	9 9076 1	24V	30A	Normally Open with Diode	with Bracket
	 T9	 C3	9 9077 1	24V	30A	Normally Open with Diode	Swapped Pins 30 & 86 with Bracket

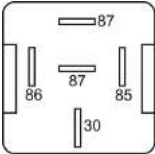
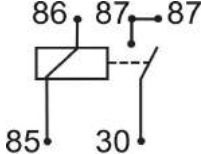
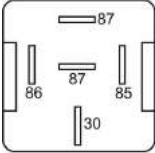
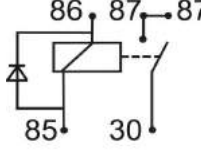
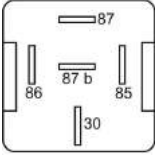
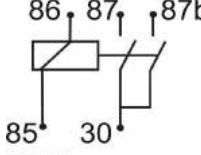
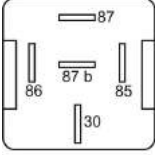
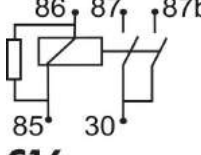
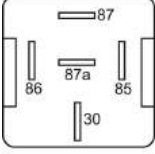
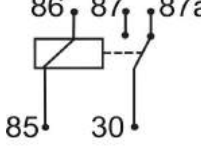
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T3	 C4	9 9009 1	24V	10/20A	Changeover	with Bracket
	 T3	 C4	9 9072 1	24V	10/20A	Changeover	without Bracket Sealed
	 T10	 C4	9 9070 1	24V	10/20A	Changeover	Swapped Pins 30 & 86 with Bracket
	 T3	 C5	9 9063 1	24V	10/20A	Changeover with Resistor	with Bracket
	 T3	 C5	9 9073 1	24V	10/20A	Changeover with Resistor	without Bracket Sealed
	 T10	 C5	9 9075 1	24V	10/20A	Changeover with Resistor	Swapped Pins 30 & 86 without Bracket Sealed
	 T3	 C6	9 9064 1	24V	10/20A	Changeover with Diode	with Bracket
	 T3	 C6	9 9074 1	24V	10/20A	Changeover with Diode	without Bracket Sealed

MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9065 1	24V	20A 2x87	Normally Open	with Bracket
			9 9066 1	24V	20A 2x87	Normally Open with Diode	with Bracket
			9 9067 1	24V	2x15A	Normally Open	with Bracket
			9 9068 1	24V	2x15A	Normally Open with Resistor	with Bracket
			9 9079 1	48V	5/10A	Changeover	with Bracket

HD Relays / Hochleistungsrelais



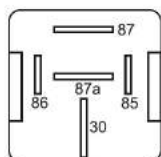
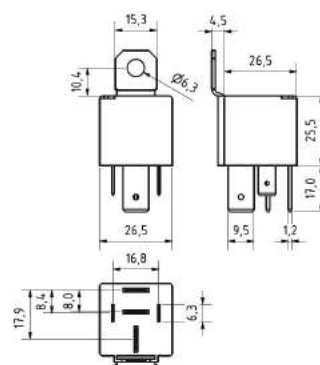
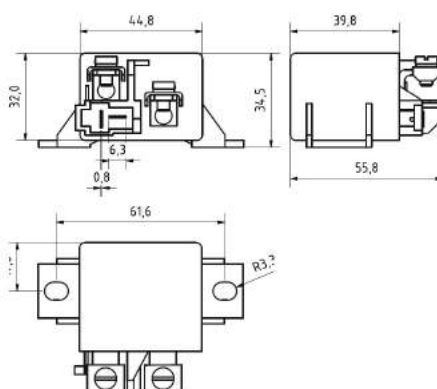
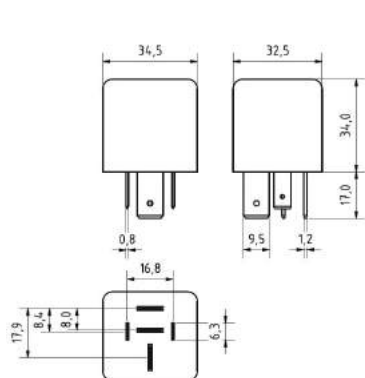
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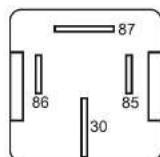
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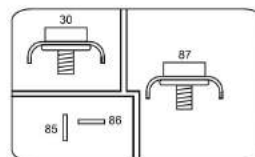
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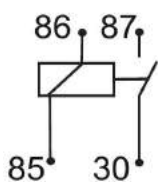
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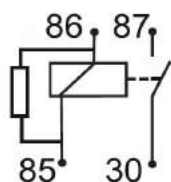
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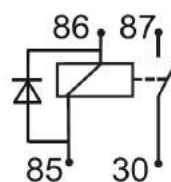
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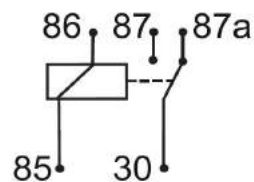
C1



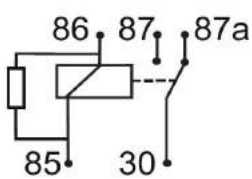
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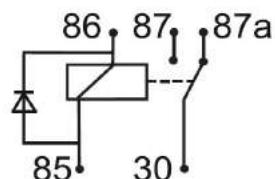
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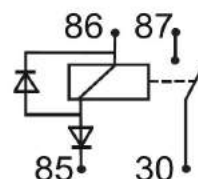
C4



C5



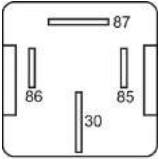
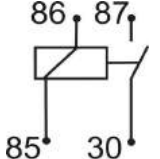
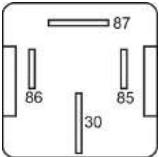
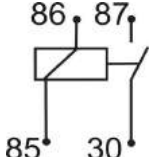
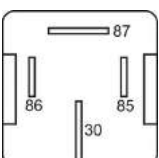
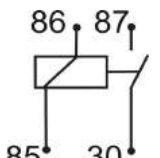
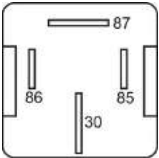
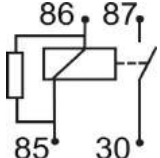
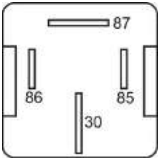
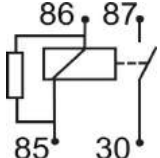
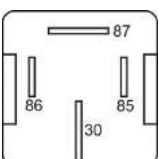
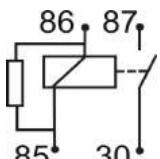
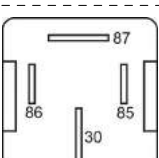
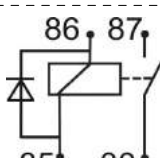
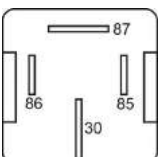
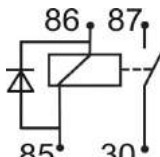
C6



C17

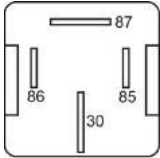
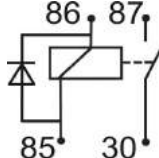
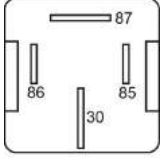
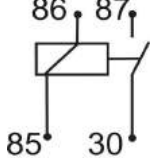
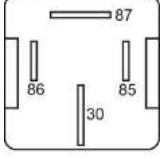
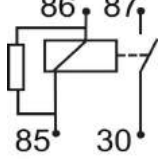
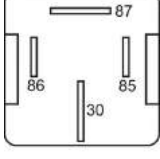
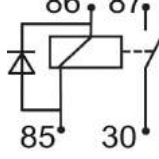
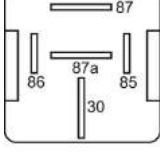
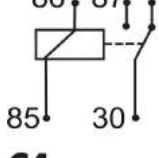
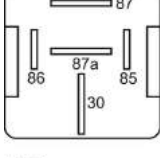
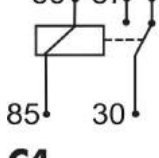
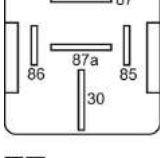
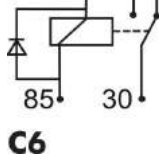
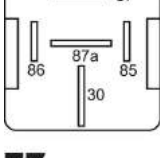
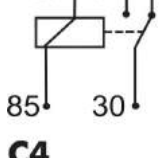
HOCHLEISTUNGSRELAIS

HD RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T8	 C1	9 9011 1	12V	70A	Normally Open	with Bracket
	 T8	 C1	9 9084 1	12V	70A	Normally Open	without Bracket Sealed
	 T8	 C1	9 9175 1	12V	70A	Normally Open	with Bracket
	 T8	 C2	9 9080 1	12V	70A	Normally Open with Resistor	with Bracket
	 T8	 C2	9 9085 1	12V	70A	Normally Open with Resistor	without Bracket Sealed
	 T8	 C2	9 9138 1	12V	70A	Normally Open with Resistor	without Bracket
	 T8	 C3	9 9082 1	12V	70A	Normally Open with Diode	with Bracket
	 T8	 C3	9 9086 1	12V	70A	Normally Open with Diode	without Bracket Sealed

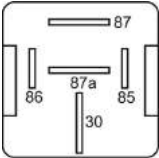
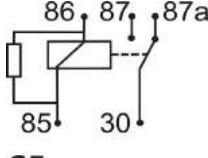
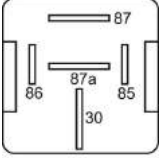
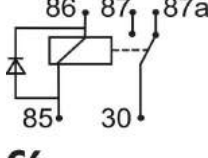
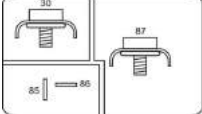
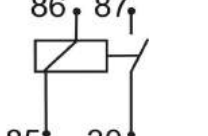
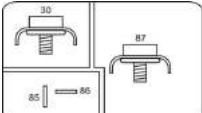
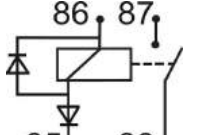
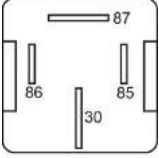
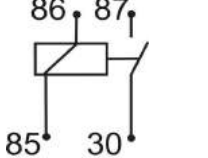
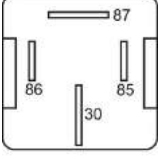
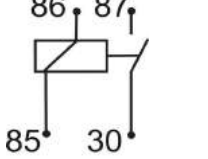
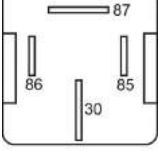
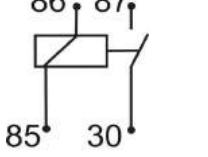
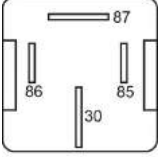
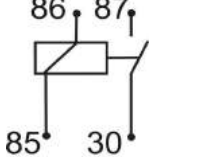
HOCHLEISTUNGSRELAIS

HD RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T8	 C3	9 9420 1	12V	70A	Normally Open with Diode	without Bracket
	 T8	 C1	9 9088 1	12V	100A	Normally Open	without Bracket Sealed
	 T8	 C2	9 9089 1	12V	100A	Normally Open with Resistor	without Bracket Sealed
	 T8	 C3	9 9090 1	12V	100A	Normally Open with Diode	without Bracket Sealed
	 T7	 C4	9 9083 1	12V	60/70A	Changeover	with Bracket
	 T7	 C4	9 9469 1 NEW		60/70A	Changeover	without Bracket Sealed
	 T7	 C6	9 9087 1	12V	60/70A	Changeover with Diode	without Bracket Sealed
	 T7	 C4	9 9091 1	12V	80/100A	Changeover	without Bracket Sealed

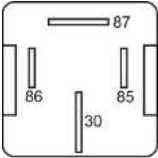
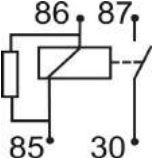
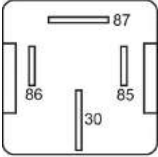
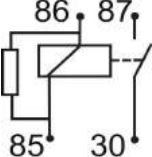
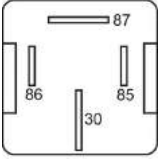
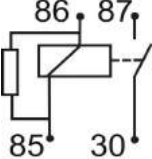
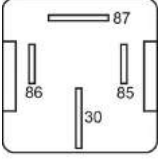
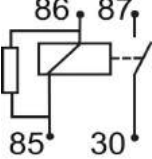
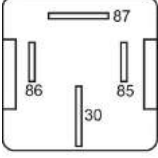
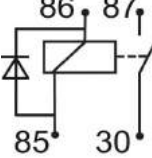
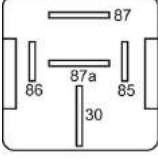
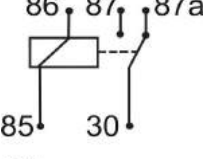
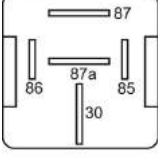
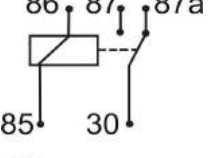
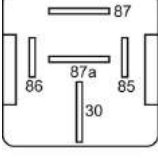
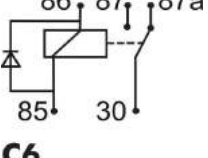
HOCHLEISTUNGSRELAIS

HD RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T7	 C5	9 9092 1	12V	80/100A	Changeover with Resistor	without Bracket Sealed
	 T7	 C6	9 9093 1	12V	80/100A	Changeover with Diode	without Bracket Sealed
	 T19	 C1	9 9012 1	12V	75A	Normally Open	Screwed Connection with Bracket
	 T19	 C17	9 9013 1	12V	75A	Normally Open with Diode	Screwed Connection with Bracket
	 T8	 C1	9 9098 1	24V	40A	Normally Open	without Bracket Sealed
	 T8	 C1	9 9094 1	24V	40A	Normally Open	with Bracket
	 T8	 C1	9 9102 1	24V	50A	Normally Open	without Bracket Sealed
	 T8	 C1	9 9014 1	24V	70A	Normally Open	with Bracket

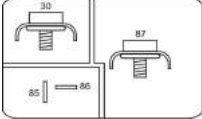
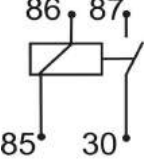
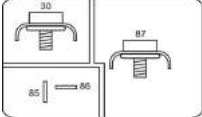
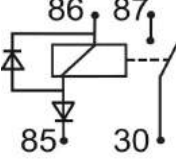
HOCHLEISTUNGSRELAIS

HD RELAYS

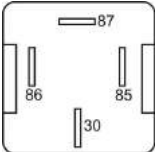
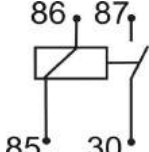
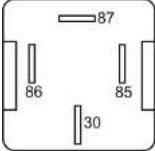
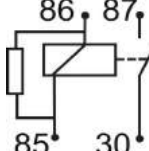
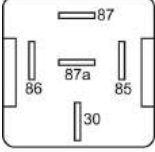
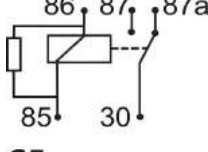
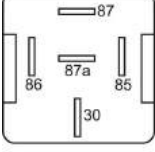
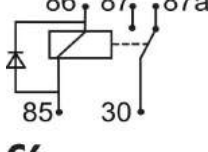
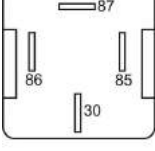
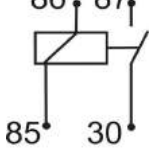
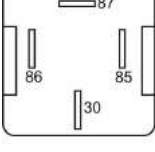
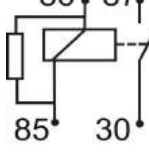
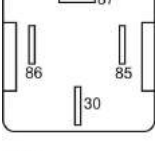
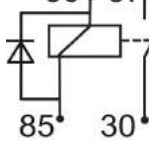
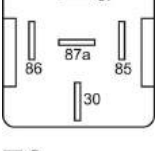
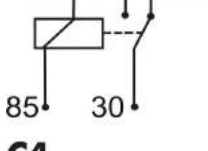
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T8	 C2	9 9099 1	24V	40A	Normally Open with Resistor	without Bracket Sealed
	 T8	 C2	9 9103 1	24V	50A	Normally Open with Resistor	without Bracket Sealed
	 T8	 C2	9 9313 1	24V	70A	Normally Open with Resistor	with Bracket
	 T8	 C2	9 9312 1	24V	70A	Normally Open with Resistor	without Bracket
	 T8	 C3	9 9100 1	24V	40A	Normally Open with Diode	without Bracket Sealed
	 T7	 C4	9 9095 1	24V	30/40A	Changeover	with Bracket
	 T7	 C4	9 9104 1	24V	40/50A	Changeover	without Bracket Sealed
	 T7	 C6	9 9101 1	24V	30/40A	Changeover with Diode	without Bracket Sealed

HOCHLEISTUNGSRELAIS

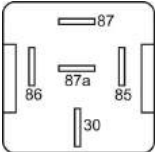
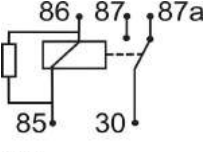
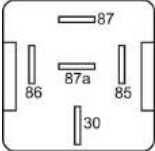
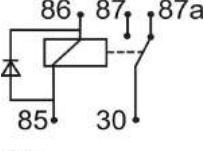
HD RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9096 1	24V	50A	Normally Open	Screwed Connection with Bracket
			9 9097 1	24V	50A	Normally Open with Diode	Screwed Connection with Bracket

RELAIS MIT SCHÜRZE RELAYS WITH SKIRT

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T1	 C1	9 9315 1	12V	40A	Normally Open	with Skirt with Bracket
	 T1	 C2	9 9353 1	12V	40A	Normally Open with Resistor	with Skirt with Bracket
	 T3	 C5	9 9489 1 NEW	12V	30/40A	Changeover with Resistor	with Skirt with Bracket
	 T3	 C6	9 9490 1 NEW		30/40A	Changeover with Diode	with Skirt with Bracket
	 T1	 C1	9 9316 1	24V	20A	Normally Open	with Skirt with Bracket
	 T1	 C2	9 9317 1	24V	20A	Normally Open with Resistor	with Skirt with Bracket
	 T1	 C3	9 9318 1	24V	20A	Normally Open with Diode	with Skirt with Bracket
	 T3	 C4	9 9319 1	24V	10/20A	Changeover	with Skirt with Bracket

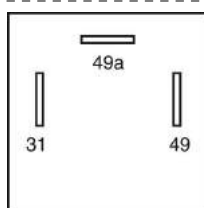
RELAIS MIT SCHÜRZE RELAYS WITH SKIRT

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T3	 C5	9 9140 1	24V	10/20A	Changeover with Resistor	with Skirt with Bracket
	 T3	 C6	9 9389 1	24V	10/20A	Changeover with Diode	with Skirt with Bracket

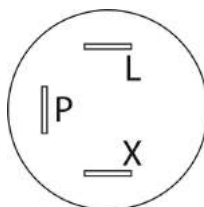
BLINKGEBER

FLASHERS / PULSE GENERATORS

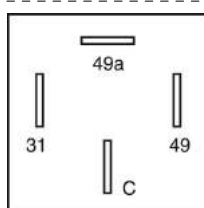
IKA-No. Technical Details References



9 9182 1 6V
42W

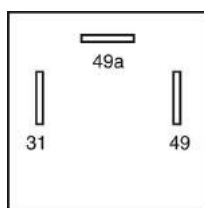


9 9189 1 6V
42W



9 9026 1 12V
2/4x21W
Lamp Failure
Control

BMW 1 244 377, 1 244 392, 1 365 113
1 371 539, 1 371 907, 1366727
1371909, 61311366727, 61311371907
Bosch 0 335 200 078, 0 336 203 005, 0 336 206 004
Fiat 4476337
Ford 6041768, 6048781, 6126024
75DB-13350A-3A, 75DB-13350-AA, 85GG13350AA
Hella 4DB001887-001, 4DB001887-002, 4DB001887-021
4DB001887-022, 4DB003425-037, 4DB003425-041
4DB003425-047
Iveco 4069103
Mercedes Benz 001 544 48 32, 002 544 48 32, 002 544 86 32
002 544 91 32, 002 544 98 32, 0025443732
54201101
Opel 090055543, 09148292, 12 26 931
1226331, 1226902, 1226919
1226923, 1226929, 1226932
Porsche 111953227D, 901 618 303 02, 914 618 303 10
914 618 303 11
Volvo 1 210 124, 1 214 008, 1259615
20021891508
VW 111953227D, 191 953 227 A, 191 953 277
IH0 953 227

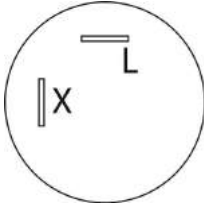
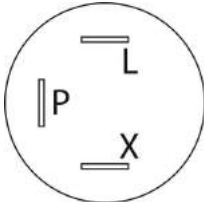
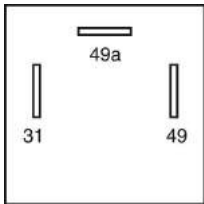
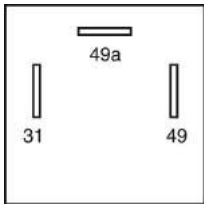
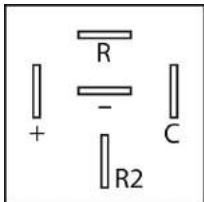
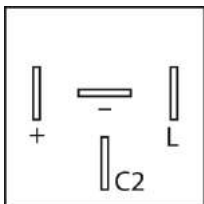
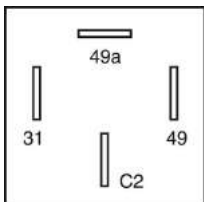


9 9027 1 12V
2/4x21W
Lamp Failure
Control

BMW 1 243 565, 1 244 314, 1 244 377
1 244 392, 1 365 113, 1 366 727
1 371 539, 1 371 907, 4 257 342
Bosch 0 335 200 003, 0 335 200 004, 0 335 200 012
0 335 200 013, 0 335 200 022, 0 335 200 023
0 335 200 027, 0 335 200 028, 0 335 200 035
Fiat 464 635 29, 608 05 630
Ford 4078559, 4162892, 6048781
81BG-13350-AB, 83BG-13350-AA, 85GG13350AA
Hella 4DB002478-171, 4DB002895-011, 4DB002895-012
4DB002895-017, 4DB002895-021, 4DB003750-060
4DB003750-071, 4DB003750-092, 4DB003750-102
Lucas SFB161, SFB182
Mercedes Benz 002 544 13 32, 002 544 37 32, 002 544 48 32
002 544 85 32, 002 544 86 32, 002 544 98 32
003 544 27 32, 019 545 02 32, A002 544 86 32
Nagares ITG/3-12, ITGS/3-12
Opel 090055543, 09148292, 12 26 919
12 26 929
Porsche 111 923 227 D, 111 953 227 D
Saab 40 69 985
Valeo 739187
VW 111 953 227 A, 111 953 227 B, 111 953 227 C
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1H0953227, 431 953 231, 803 953 183 B

BLINKGEBER

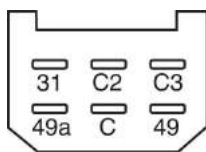
FLASHERS / PULSE GENERATORS

		IKA-No.	Technical Details	References	
		9 9029 1	12V max. 300W	Nagares	ITH-2
		9 9030 1	12V max. 300W	Nagares	ITH-3
		9 9081 1	12V 110W	Nagares	ITFE/110-12
		9 9176 1	12V 2/4x21W Lamp Failure Control		
		9 9180 1	12V 2+1/6x21W Lamp Failure Control	Hella Nagares	4DB003460-02 ITA/5-12
		9 9183 1	12V 2+1/6x21W Lamp Failure Control		
		9 9196 1	12V 2+1/6x21W Lamp Failure Control	BMW	1 388 533, 61 31 1 388 533
		9 9329 1	12V 2+1/6x21W Lamp Failure Control		

BLINKGEBER

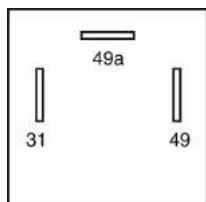
FLASHERS / PULSE GENERATORS

IKA-No. Technical Details References



9 9346 1 12V
2+1+1x21W
Lamp Failure
Control

Bosch 0 335 200 160
Hella 4DN006208-011, 4DN006208-017, 4DN006208-021
4DN006208-027, 4DN006208-031, 4DN006208-037
Iveco 5122663, 5125586, 51514910
51542780
Nagares ITRD/6-12
Volvo 4803262



9 9350 1 12V
2/4x21W
Lamp Failure
Control



9 9399 1 12V
3+1/8x21W
Lamp Failure
Control

Mercedes Benz 001 544 53 32, 002 544 10 32, A 001 544 53 32
A 002 544 10 32
Volvo 649739



9 9430 1 12V
2(4)x21W+0..4W

BMW 1366727, 1371907, 1371909
61311366727, 61311371907, 61311371909
Bosch 0 335 200 038
Ford 6041768, 6048781, 6126024
85GG13350AA
Mercedes Benz 0025443732, 0025444832, 0025448632
54201101
Nagares ITGE/3-12
Opel 090055543, 09148292, 12 26 929
12 26 931, 1226902, 1226932
90055543
Porsche 111953227D
Volvo 1259615, 20021891508
VW 111 953 227 D



9 9461 1 12V
NEW 1-4x21W

Hella 4LZ004387-00, 6LZ004387-00
Nagares ITH-2



9 9463 1 12V
NEW 2/4x21W

Lucas SFB161
Nagares ITJ/3-12



9 9517 1 12V
NEW 180W

Nagares IT-180-12, IT-180-12S

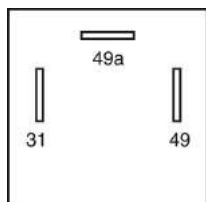
BLINKGEBER

FLASHERS / PULSE GENERATORS

IKA-No. Technical Details References



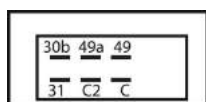
9 9520 1 12V
NEW 2(4)x21W+0..4W
 Fiat
 Nagares
 PSA
 Renault
 7595406
 ITA/4-12, ITAS/4-12
 549040486, 6323.07, 6323.15
 7520053006, 7551093710, 925359780
 7700576470, 7700628656, 7700639864
 7701348105



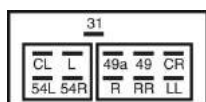
9 9324 1 12V
 0,1-150W LED



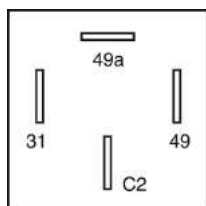
9 9508 1 12V
NEW 0,1-150W LED



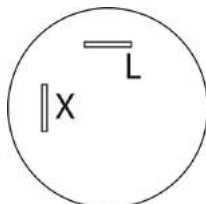
9 9194 1 12V
 24V
 1-8x18/21W
 Hella
 4DZ004019-01



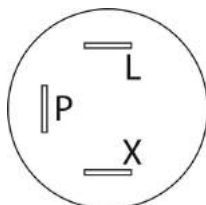
9 9195 1 12V
 24V
 170W
 Hella
 Nagares
 4DZ002834-16
 ITRC-11



9 9028 1 24V
 2+1/6x21W
 Lamp Failure
 Control
 Nagares
 ITGS/4-24



9 9031 1 24V
 150W

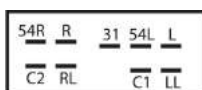


9 9032 1 24V
 150W

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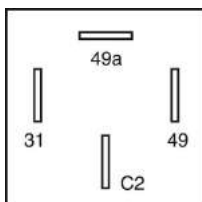
FLASHERS / PULSE GENERATORS

IKA-No. Technical Details References

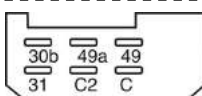


9 9162 1 24V
3+1x21W
Lamp Failure
Control

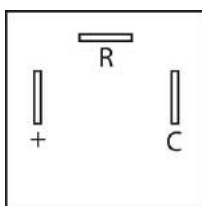
Hella 5KG005063-00



9 9181 1 24V
2+1+1/8x21W
Lamp Failure
Control

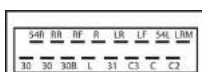


9 9184 1 24V
2+1/6x21W
Lamp Failure
Control



9 9187 1 24V
2/4x21W

Nagares IT-84-24



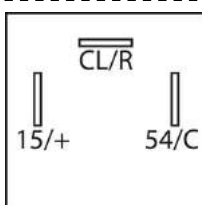
9 9191 1 24V
Lamp Failure
Control

Volvo 1079476, 3943863, 8155312
8158697



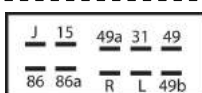
9 9192 1 24V
Lamp Failure
Control

Hella 4DJ004589-00



9 9193 1 24V
500W
Lamp Failure
Control

Nagares ITN/500-24

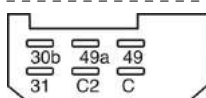


9 9252 1 24V
Lamp Failure
Control

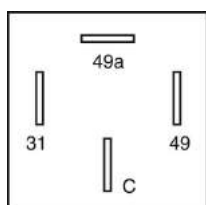
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FLASHERS / PULSE GENERATORS

IKA-No. Technical Details References



9 9347 1 24V
DAF 0636222, 636222
Iveco 920690
MAN 81.25310.0034, 81.25310.6038
Mercedes Benz 001 544 5732, 0025440532, 0025448032
Nagares ITRC-6
Volvo 1501686, 15048941, 1573780
1582410, 1587993, 1623180



9 9367 1 24V
2/4x21W
Lamp Failure
Control
Hella 4DB009123-03
Mercedes Benz A 002 544 84 32, A 002 544 95 32, A 002 544 97 32
Volvo 11087812



9 9400 1 24V
2+1/6x21W
Lamp Failure
Control



9 9401 1 24V
2+1+1/8x21W
Lamp Failure
Control
Bosch 0 335 215 163, 0 335 215 164
Iveco 1164662, 900030
MAN 81.25310.6043
Mercedes Benz 001 544 54 32, 002 544 0132, 002 544 0332
002 544 2632, 002 544 7832, 002 544 9032
Volvo 1582411



9 9507 1 24V
2+1+1(8)x21W
NEW
Hella 4DN 007 431-021, 4DN 007 431-201
Scania 1328548, 1401789, 2159998



9 9518 1 2/4x21W
NEW Lamp Failure
Control
Nagares ITA/4-24



9 9519 1 24V
NEW 500W
Nagares ITN/500-24

LÜFTERSTEUERUNGEN

FAN REGULATORS

	IKA-No.	Technical Details	References	
	9 9033 1	12V	VDO VW	V15-71-0035 1J0 919 506 M
	9 9034 1	12V	Bosch Hella Mercedes Benz VDO	9 140 010 343 5HL351321-011 202 820 73 10, 210 820 62 10, A 202 820 73 10 A 210 820 62 10 V30-79-0002
	9 9035 1	12V	BMW Nagares	64116920365, 64116923204, 64116929486 64116931680, 64118364173, 64118377579 64118383835, 64118385549, 6923204 MCF/5-12
	9 9036 1	12V	Mercedes Benz	210 820 61 10, 210 821 15 51, 210 821 29 51 210 821 46 51, A 210 820 61 10, A 210 821 15 51 A 210 821 29 51, A 210 821 46 51
	9 9210 1	12V	VW	1J0 919 506 K
	9 9211 1	12V	VW	357 919 506 A, 3A0 919 506
	9 9212 1	12V	VW	1J0 919 506 H
	9 9213 1	12V	VW	1J0 919 506 N

LÜFTERSTEUERUNGEN

FAN REGULATORS

	IKA-No.	Technical Details	References	
	9 9214 1	12V	Nagares PSA	MPVN/5-12, MPVP/5-12 6441.A
	9 9253 1	12V	VW	1GD 919 506 C
	9 9264 1	12V	VW	1J0 919 506 G
	9 9266 1	12V	VW	701 919 506 A
	9 9275 1	12V	VW	1H0 919 506
	9 9339 1	12V	VW	1J0 919 506 E, 1J0 919 506 H
	9 9340 1	12V	VW	1J0 919 506 L
	9 9348 1	12V	VW	701 919 506

LÜFTERSTEUERUNGEN

FAN REGULATORS

IKA-No.

Technical Details

References



9 9373 1

12V

Hella

5HL351321-101

Mercedes Benz

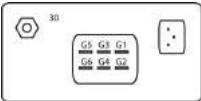
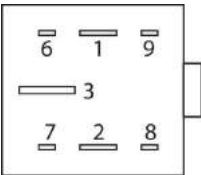
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WIDERSTAND INNENRAUMGEBLÄSE

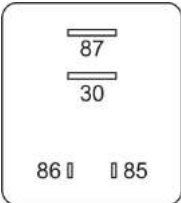
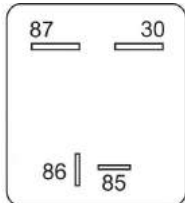
BLOWER MOTOR RESISTOR

	IKA-No.	Technical Details	References	
	9 9374 1	24V	Volvo	1425070, 1738098
	9 9376 1	12V	VW	1J0 819 022 A
	9 9377 1	12V	VW	701 959 263
	9 9378 1	12V	Hella VW	5HL351321-301 6Q0 959 263, 6Q0 959 263 A
	9 9379 1	12V	VW	191 959 263
	9 9380 1	12V	VW	1K0 959 263 A

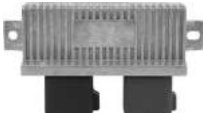
GLÜHZEITRELAIS PREHEATING RELAYS

	IKA-No.	Technical Details	References
	9 9045 1	12V	Mercedes Benz 0005453516, 0255452832, 6461536579 A0005453516, A0255452832, A6461536579 Nagares TPMS/4-12
 	9 9046 1	12V	Mercedes Benz 000 545 36 16, 019 545 69 32, 025 545 29 32 028 545 40 32, 648 900 00 00, A 000 545 36 16 A 019 545 69 32, A 025 545 29 32, A 028 545 40 32 Nagares TPMS/6-12
 	9 9049 1	12V	Dacia 6001546572 GM 91167210, 9201699 Nagares BED/7-12 Nissan 11067BN700 Opel 4409990, 4506156 Renault 7700115078
	9 9198 1	12V	Bosch 0 333 402 509, 0 333 402 517, 0 333 402 524 Fiat 4792112, 5946920, 5990986 7617640 Hella 4RV008188-081, 4RV008188-091, 4RV008188-101 4RV008188-161, 4RV008188-181, 4RV008188-291 4RV008188-301, 4RV008188-321 Iveco 462703, 9462703 Nagares TPD/5-12 Nissan 75800005-1/2 PSA 5981.15, 9251586680 Renault 7700722290 Valeo 102180, 102696, 105857
	9 9199 1	12V	Bosch 0 333 402 501 PSA 598110, 598113, 7920076593 9250883280, 9549299580, 95534787
	9 9201 1	12V	Fiat 9614167780, 9625203680 Hella 4RV008188-281 Nagares PPX/5-12 PSA 598119, 96141677, 96252036 Suzuki 38860 66G00 000
	9 9202 1	12V	Bosch 0 281 003 099 Nagares TPPSS/7-12 VW 321 911 261, 321 911 261C

GLÜHZEITRELAIS PREHEATING RELAYS

	IKA-No.	Technical Details	References	
	9 9203 1	12V	Nagares Nissan	RLGL/60-12 25230-69T00
	9 9204 1	12V	Ford Opel Volvo	6143688, 6188591, 83BB006M092BA 83BB6M092AA, 88BG8B658AA 090228928, 090240651, 090276101 10456571, 1238532, 1238537 1238565, 1238627, 90228928 34470062
	9 9205 1	12V	Mercedes Benz Nagares	0065458932, 0075459832, A0065458932 A0075459832 TPDM/34-12
	9 9299 1	12V	VW	171911261, 171911261A, 171911261B 171911261C, 171911261D, 171911261E 443911261, 443911261A, 893911261
 	9 9357 1	12V	Isuzu	8-94128-856-0, 8-99201-790-A
 	9 9358 1	12V	Isuzu	8-94248-161-0, 8-94423-314-0
	9 9404 1	12V	Mercedes Benz Nagares Nissan Opel Renault	A4479001001 RCS/8-12 11067JD50B, 82005-58438 4406678, 4420674, 93168361 93863895 11067JD50B, 8200558438, NU61
	9 9405 1	12V	GM Nagares Opel Renault	9108385 BRE/5-12 4400385 7700109860

GLÜHZEITRELAIS PREHEATING RELAYS

	IKA-No.	Technical Details	References
	9 9406 1	12V	GM Nagares Nissan Opel PSA Renault 93858431 BDL/7-12 11067 JD50A 4416764 598140, 9640469680 9640469680
	9 9407 1	12V	Ford Nagares YC3Z12B533AA BFN/14-12
	9 9408 1	12V	Nagares PSA PBCI/8-12 5981.44, 96 638 248 80
	9 9409 1	12V	Ford Nagares 1693301, 9M5Q-12A343-AA PBCIF/8-12
	9 9410 1	12V	GM Nagares Nissan Opel Renault 93862497 FGPR/8-12 11067JD50C, 2523080A0A 4419200 8200859243
	9 9411 1	12V	Fiat Nagares 5801401694 FGF/8-12
	9 9413 1	12V	VW 357 911 253
	9 9415 1	12V	Hella VW 4RA007507-031 357 911 253 A

GLÜHZEITRELAIS PREHEATING RELAYS

	IKA-No.	Technical Details	References
	9 9436 1	12V	Hella Mercedes Benz Nagares 4RV008188-051 0065458832, 0085450032, A0065458832 A0085450032 TPDM/35-12
	9 9437 1	12V	Nagares Nissan RLGT/45-12 25230G2400, 25230G2450, 25230G2452
	9 9438 1	12V	Nagares Nissan RLGU/45-12 25230BN300, 25230BN30A
	9 9439 1	12V	Opel Suzuki 55353011, 6235240 55353011
	9 9440 1	12V	Opel 1237976, 55354141, 6235303 6237637, 90508974
	9 9441 1	12V	Opel 1237233, 1237783, 55574293
	9 9442 1	12V	Nagares Opel Renault BRE/6-12 4402721, 9110721 7700100703, 7700111525
	9 9443 1	12V	Hella PSA Renault Valeo 4RV008188-271 598116, 598120, 96117510 9611751080, 9617240680 245609, 245612

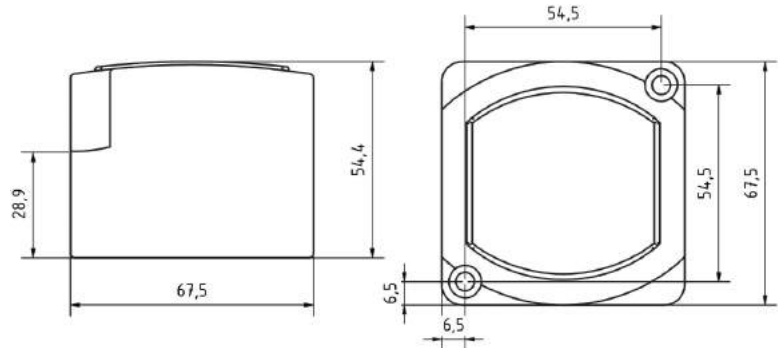
GLÜHZEITRELAIS PREHEATING RELAYS

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	9 9444 1	12V	Fiat Hella Nagares 46414088, 46432278, 46438456 60812527, 7735921 4RV008188-291 PPC/5-12
	9 9445 1	12V	Fiat Ford Nagares PSA Suzuki Valeo 1348881080, 9619039780, 9639907380 9639912580 1143426, 2S6112A343AB CEP/6-12 598125, 598131, 598138 598143 3885067G00 245618
	9 9446 1	12V	Bosch Fiat PSA Suzuki 0281 003 018 46742375, 46798692, 46807091 46812667, 46812668, 51771823 51888255, 55187288, 55193073 598142 3885055K00
	9 9447 1	12V	VW 038 907 281C
	9 9448 1	12V	Nagares VW TPDV/6-12 038 907 281 D
	9 9449 1	12V	Nagares VW TPDV/7-12 03G 907 282 A
	9 9450 1	12V	Bosch VW 0 281 003 031 07Z 907 281 A
	9 9451 1	12V	Nagares VW TPDV/28-12 03G 907 282

GLÜHZEITRELAIS PREHEATING RELAYS

	IKA-No.	Technical Details	References	
	9 9452 1	12V	Bosch Mitsubishi Car Nagares VW	0 281 003 032, 0 281 003 085 1860A499 TPVD/2-12 038 907 281 B
	9 9453 1	12V	Bosch VW	0 218 003 042 045 907 282 A
	9 9454 1	12V	VW	04L 907 282
	9 9455 1	12V	Bosch Nagares Porsche VW	0 281 003 029, 0 281 003 087 TPDV/68-12 95561802800 4E0 907 282 A
	9 9456 1	12V	VW	04L 907 281
	9 9512 1 NEW	12V	Mercedes Benz	A 642 153 37 79, A 642 900 27 00, A 642 900 57 01 A 642 900 77 01

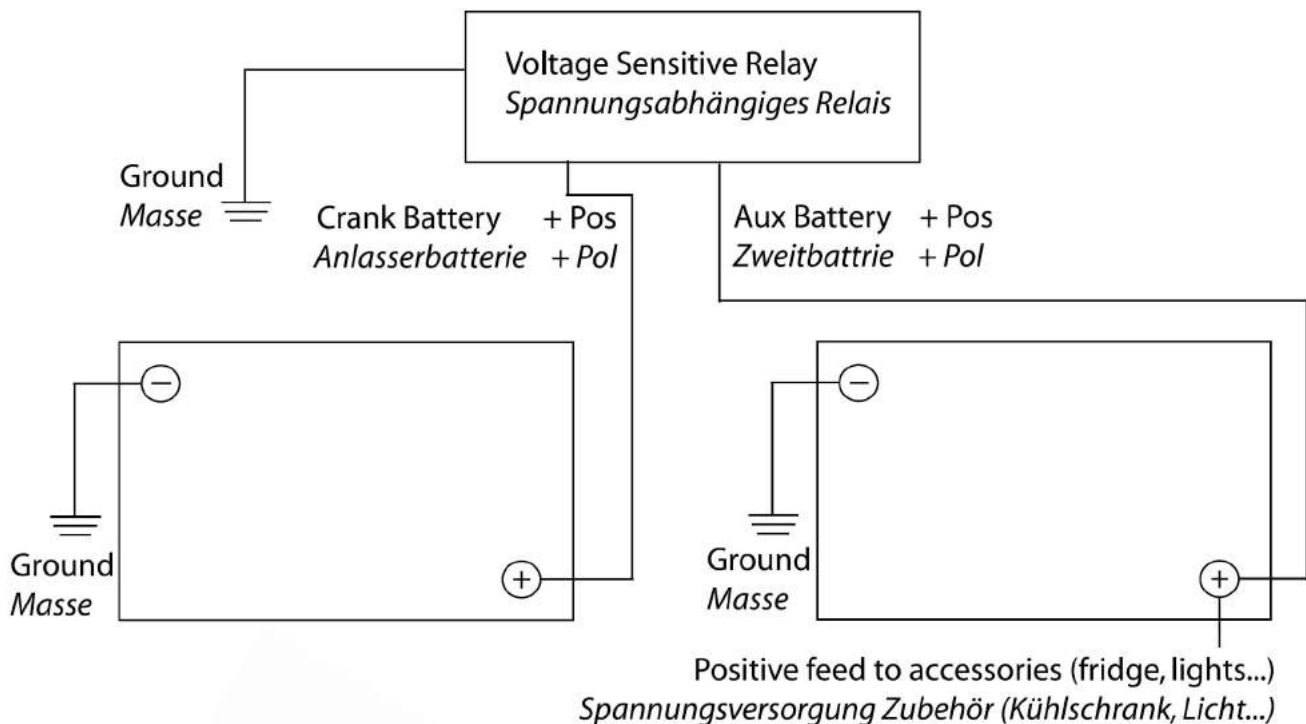
Intelligentes Batterietrennrelais / Voltage Sensitive Battery Relay



Für zwei Batterien / For Dual Battery use

Das spannungsabhängige Relais erlaubt es, zwei Batterien gleichzeitig zu laden. Wird bei laufendem Motor eine Spannung von über 13,3V erreicht, zieht das Relais an und die Zweitbatterie wird zusätzlich zur Primärbatterie geladen. Schaltet man den Motor aus, fällt die Bordspannung unter 12,65V und das Relais trennt die Anlasserbatterie von der Zweitbatterie. Dieses System verhindert, dass sich die Anlasserbatterie entlädt und schützt die empfindliche Elektronik, die an der Zweitbatterie angeschlossen ist, vor Spannungsspitzen, die beim Starten des Motors entstehen können.

The voltage sensitive Relay allows two batteries being charged at the same time. When the engine starts and the start battery reaches 13,3V, the relay pulls in, allowing the two battery banks (start and house) to be charged simultaneously. When the voltage drops below 12,65V, (the engines has stopped), the relay drops out, separating these batteries. This system prevents the starter battery from discharging and protects sensitive electronic equipment powered by the house battery from harmful start up spikes



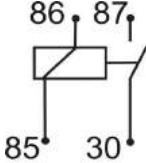
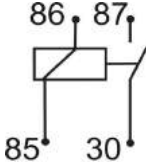
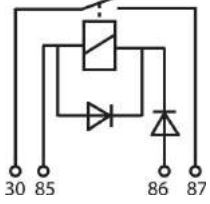
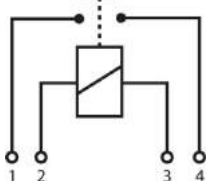
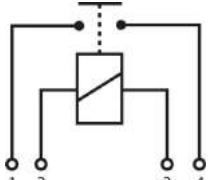
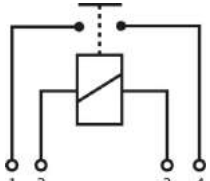
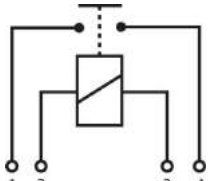
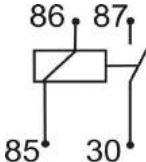
BSR RELAIS

VSR RELAYS

	IKA-No.	Nominal Voltage	Nominal Current	Switching Voltages	Details
	9 9020 1	12V	140A	13,3V - 12,65V	Dual Battery
	9 9020 2	12V	140A	13,3V - 12,65V	Dual Battery (Clear)
	9 9321 1	12V	140A	13,7V - 12,8V	Dual Battery
	9 9024 1	24V	140A	26,6V - 25,6V	Dual Battery
	9 9118 1	24V	140A	27,4V - 25,6V	Dual Battery

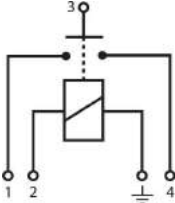
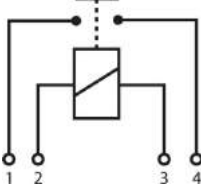
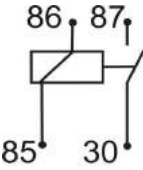
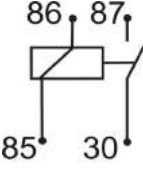
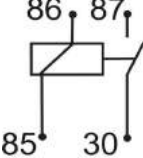
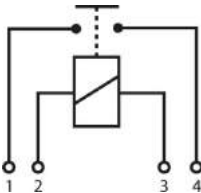
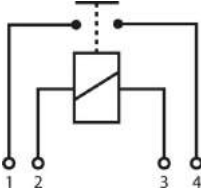
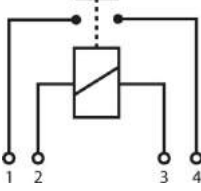
BATTERIEMANAGEMENT

BATTERY MANAGEMENT

		IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 C1	9 9500 1 NEW	12V	100/180A	Normally Open	Screwed Connection
	 C1	9 9499 1 NEW	12V	200A	Normally Open	Screwed Connection
		9 9110 1	12V	100/180A	Normally Open with Diode	Screwed Connection
		9 9015 1	12V	200/800A	Normally Open	Screwed Connection
		9 9017 1	12V	100/400A	Normally Open	Screwed Connection
		9 9108 1	12V	150/800A	Normally Open	Screwed Connection
		9 9113 1	12V	200/800A	Normally Open	Screwed Connection
	 C1	9 9114 1	12V	200/300A	Normally Open	Screwed Connection

BATTERIEMANAGEMENT

BATTERY MANAGEMENT

		IKA-No.	Nominal Voltage	Nominal Current	Function	Details
		9 9115 1	12V	85A	Normally Open	Screwed Connection
		9 9116 1	12V	500/2500A	Normally Open	Screwed Connection
	 C1	9 9022 1	24V	60/80A	Normally Open	Screwed Connection
	 C1	9 9023 1	24V	100/150A	Normally Open	Screwed Connection
	 C1	9 9119 1	24V	150/200A	Normally Open	Screwed Connection
		9 9121 1	24V	150/800A	Normally Open	Screwed Connection
		9 9122 1	24V	500/2500A	Normally Open	Screwed Connection
		9 9481 1 NEW	24V	80A	Normally Open	Screwed Connection

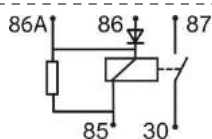
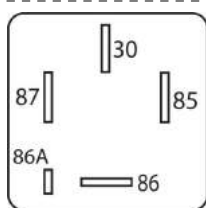
BATTERIEMANAGEMENT

BATTERY MANAGEMENT

	IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	9 9120 1	24V	300A bistable		
	9 9230 1		100/500A with Key	On/Off Switch	Battery Switch
	9 9325 1		75/300A	On/Off Switch	Battery Switch
	9 9335 1		300/1000A 1x On-Off	On/Off Switch	Battery Switch
	9 9336 1		250/2500A 2x On-Off	On/Off Switch	Battery Switch
	9 9395 1		250/2500A 3x On-Off	On/Off Switch	Battery Switch

KRAFTSTOFFPUMPENRELAIS FUEL PUMP RELAYS

IKA-No. Technical Details References

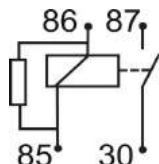
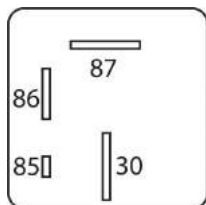


9 9128 1

12V
30A

VW

165 906 381



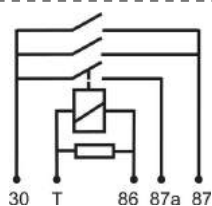
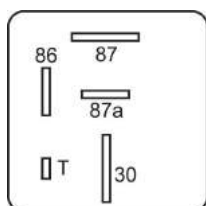
9 9133 1

12V
40A

Hella
Porsche
VW

4RP008189-151
955 615 025 00
191 906 383 , 191 906 383 C, 857 951 253

C2



9 9136 1

12V
40A

VW

4D0 951 253



9 9206 1

12V

PSA

1920.3N, 1920.3X, 1929.49
96075406, 96196965, 9620734380



9 9207 1

12V

Mercedes Benz 003 545 17 05, 003 545 24 05

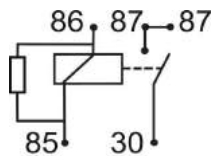
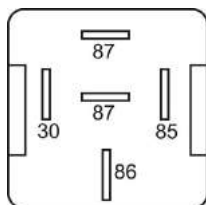


9 9209 1

12V

Hella
Opel

4RP008189-051
1238539, 1238540, 1238549
1238966



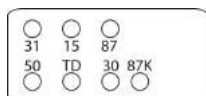
9 9366 1

12V
30A

BMW

6 136 837 37 00

C7



9 9387 1

12V

Mercedes Benz 001 545 34 05

KRAFTSTOFFPUMPENRELAIS
FUEL PUMP RELAYS

IKA-No. Technical Details References



9 9503 1 12V Nagares RBC/17-12
NEW VW 1J0 906 381 A, 357 906 381 A



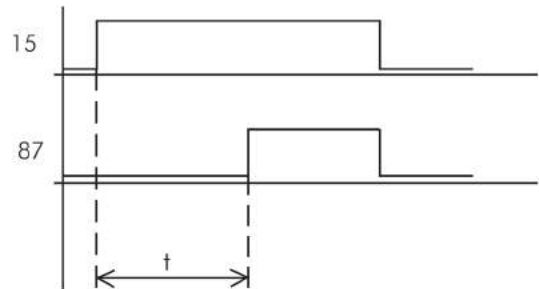
9 9522 1 12V BMW 6 136 691 53 27
NEW

Zeit- und Funktionsrelais / Timer Relays

Anzugsverzögert - Standard-Variante Delay On - Standard Type

Versorgungsspannung wird an Klemme 30 und Masse an Klemme 31 angelegt. Wird an Klemme 15 Versorgungsspannung angelegt, zieht das Relais nach der programmierten Zeit t an. Wird Klemme 15 wieder geöffnet, fällt das Relais sofort ab.

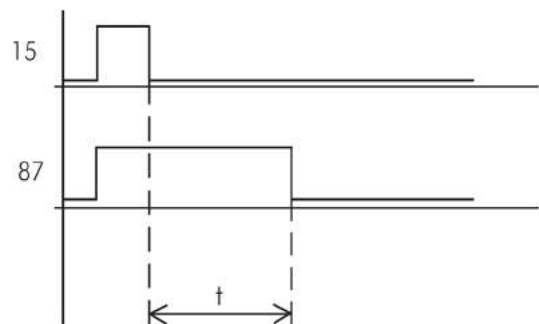
Apply supply voltage on terminal 30 and ground on terminal 31. After applying supply voltage on terminal 15, the relay will pull in after the programmed period t . When terminal 15 is opened, the relay drops back instantly.



Abfallverzögert - Standard-Variante Delay Off - Standard Type

Versorgungsspannung wird an Klemme 30 und Masse an Klemme 31 angelegt. Wird an Klemme 15 Versorgungsspannung angelegt, zieht das Relais sofort an. Wird Klemme 15 wieder geöffnet, fällt das Relais nach der programmierten Zeit t wieder ab.

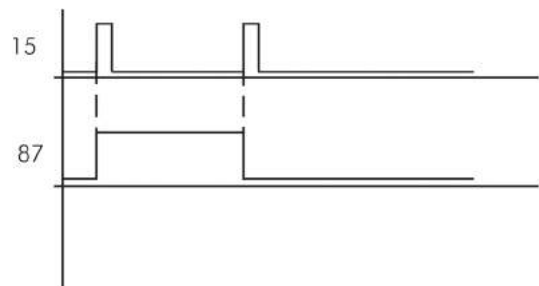
Apply supply voltage on terminal 30 and ground on terminal 31. After applying supply voltage on terminal 15, the relay pulls in instantly. When terminal 15 is opened, the relay drops back after the programmed period t .



Flip Flop Relais - Standard-Variante Latching Relay - Standard Type

Versorgungsspannung wird an Klemme 30 und Masse an Klemme 31 angelegt. Bei jedem Impuls an Klemme 15 wechselt der Schaltzustand in die jeweils andere Position.

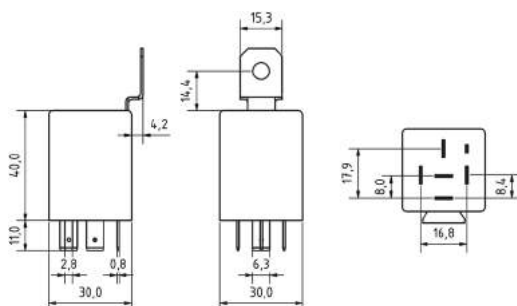
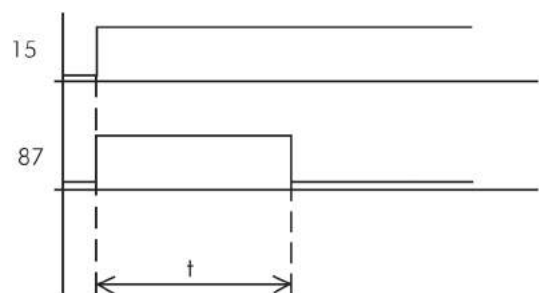
Apply supply voltage on terminal 30 and ground on terminal 31. With each pulse on terminal 15, the relay switches to the other position..



Impulsrelais - Standard-Variante Pulse Relay - Standard Type

Versorgungsspannung wird an Klemme 30 und Masse an Klemme 31 angelegt. Wird an Klemme 15 Versorgungsspannung angelegt, zieht das Relais sofort an. Wenn die Spannung an Klemme 15 weggenommen wird, fällt das Relais sofort ab. Liegt dauerhaft Spannung an Klemme 15, fällt das Relais nach der programmierten Zeit t ab.

Apply supply voltage on terminal 30 and ground on terminal 31. After applying supply voltage on terminal 15, the relay pulls in instantly. When terminal 15 is opened, the relay drops back instantly. If constant voltage is supplied on terminal 15, the relay will drop back after the programmed period t .



ZEIT- / FUNKTIONSRELAIS

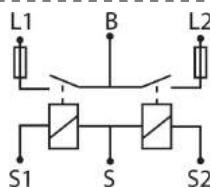
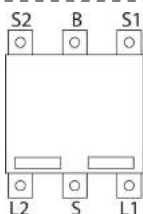
TIMER / MULTITIMER RELAYS

IKA-No.	Nominal Voltage	Type
9 9141 1	12V	Delay ON 0,5s
9 9142 1	12V	Delay ON 3s
9 9052 1	12V	Delay ON 8s
9 9143 1	12V	Delay ON 10s
9 9311 1	12V	Delay ON 15s
9 9144 1	12V	Delay ON 30min
9 9424 1	24V	Delay ON 0.5s
9 9393 1	24V	Delay ON 2,5s
9 9145 1	24V	Delay ON 3s
9 9146 1	24V	Delay ON 15s
9 9147 1	24V	Delay ON 15min
9 9148 1	24V	Delay ON 30min
9 9149 1	12V	Delay OFF 6s
9 9150 1	12V	Delay OFF 15s
9 9151 1	12V	Delay OFF 20s
9 9152 1	12V	Delay OFF 35s
9 9418 1	12V	Delay OFF 60s
9 9153 1	12V	Delay OFF 5min
9 9154 1	12V	Delay OFF 10min
9 9155 1	12V	Delay OFF 60min
9 9156 1	12V	Delay OFF 120min
9 9158 1	24V	Delay OFF 3s
9 9159 1	24V	Delay OFF 10s
9 9160 1	24V	Delay OFF 15s
9 9161 1	24V	Delay OFF 30s
9 9388 1	24V	Delay OFF 60s
NEW 9 9477 1	24V	Delay OFF 45min
9 9164 1	12V	Latching Relay positive controlled
9 9165 1	24V	Latching Relay positive controlled
9 9167 1	12V	Latching Relay negative controlled
9 9168 1	24V	Latching Relay negative controlled
9 9402 1	12V	Latching Relay "in"-controlled
9 9352 1	24V	Latching Relay 10min
9 9166 1	24V	Latching Relay 20min
9 9163 1	12V	Pulse Relay 0,8s

RELAIS SONDERANWENDUNG

SPECIFIC APPLICATION

IKA-No. Technical Details References



9 9025 1

12V
40A
Headlight Relay

Ford

NLR-132



9 9123 1

12V
25A Mechanical
Latching Relay

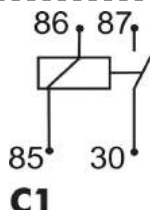
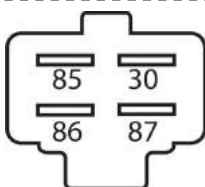


9 9124 1

12V
2x150W
Mechanical
Latching Relay

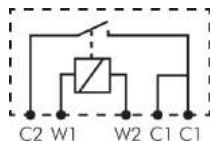
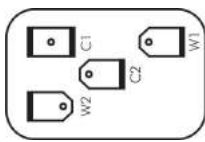
VW

111 941 583, 411 941 583 B



9 9125 1

12V
30A

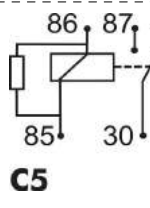
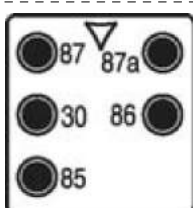


9 9127 1

12V
30A

Lucas

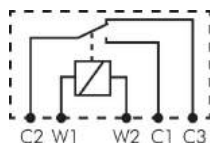
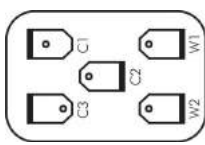
6RANO



9 9129 1

12V
20/30A

Mercedes Benz 001 542 02 19

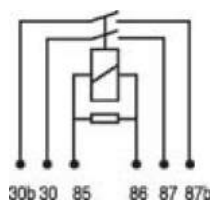
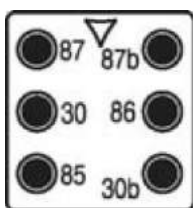


9 9131 1

12V
20/30A

Lucas

6RACO



9 9132 1

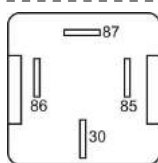
12V
2x15A
Double Contact

Mercedes Benz 001 542 53 19

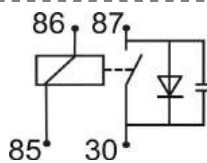
RELAIS SONDERANWENDUNG

SPECIFIC APPLICATION

IKA-No. Technical Details References



T1



9 9134 1

12V
40A
AC Relay

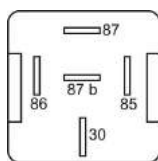
Hella
VW

4RA007507-061
443 919 578C

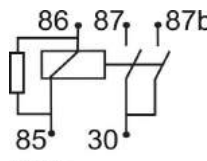


9 9137 1

24V
2x150W
Mechanical
Latching Relay



T11

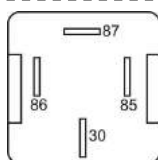


9 9169 1

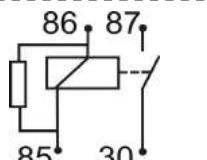
12V
2x20A

BMW
Bosch
Mercedes Benz
Nagares
Renault
Volvo

61311358170
0 332 015 001
5458005, A0005458005
RDP/5-12
7700266096, 7700266296
1235013



T1

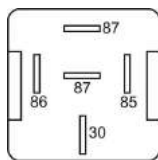


9 9170 1

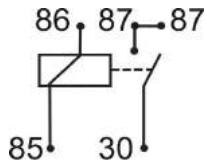
12V
40A

Bosch
Iveco
John Deere
Nagares
Nissan
Renault

0 332 019 110, 0 332 019 453
60193651
AL 20 859 5
RLP/4-12R
25230-G4900
7700810395



T2

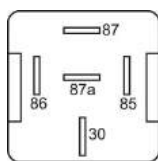


9 9171 1

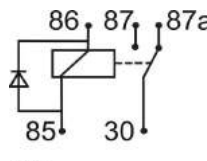
12V
40A 2x87

BMW
Fiat

34 51 154 228
4320622, 4320629, 5882107
9940353
6165 402, 81DB 15K235 AA, 87DB 15K235 AA
AL 20 859 7
RLPS/5-12
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999 657 011 90
5882107, 655117, 655504
790552000
7700590793, 7700810926
643810



T3



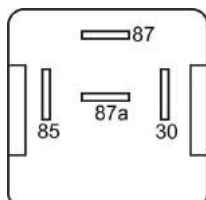
9 9173 1

24V
10A



9 9197 1

70A + 30A
Splitcharger Relay

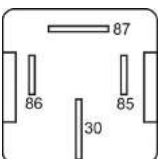
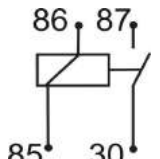
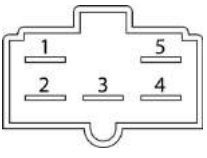
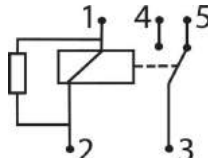
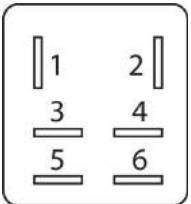
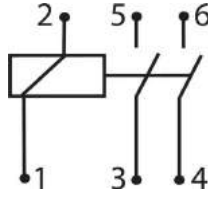
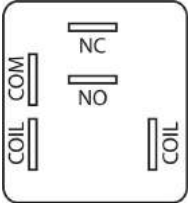
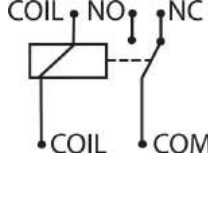
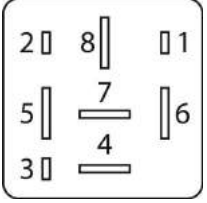


9 9294 1

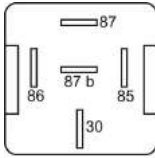
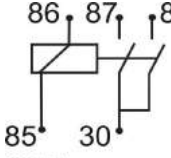
12V
21W
Current Relay

RELAIS SONDERANWENDUNG

SPECIFIC APPLICATION

		IKA-No.	Technical Details	References
	 T8  C1	9 9341 1	12V 50A	Nagares Nissan Renault RLE/4-12 1506417 7700781546, 7700810395, 7700810932
	 	9 9355 1	12V 40A Headlight Relay	Toyota 89520-1470
	 	9 9356 1	12V 50A Headlight Relay	GM 94118913
	 	9 9359 1	12V 20A Beam Light Relay	Isuzu 8-87173-951-0, 8-97173-947-0
		9 9386 1	12V 20A AC Relay	VW 171 959 141 A
		9 9397 1	12V Wiper Relay	John Deere Mercedes Benz Nagares Opel Saab VW AZ 49 989 4 635 450 50 24 TL0D/6-12 12 38 550, 90 069 864 85 53 463 191 955 531, 321 955 531 A
		9 9403 1	12V AC Relay	Nagares VW MECD/8-12 6Q1907521, 6Q1907521A, 6Q1907521B
		9 9432 1	12V	Porsche 911 615 108 01

RELAIS SONDERANWENDUNG SPECIFIC APPLICATION

	IKA-No.	Technical Details	References	
	9 9433 1	12V	Porsche	911 615 109 01
	9 9470 1 NEW	12V 40A	Hella Mercedes Benz	4RA007791-15 002 542 2319, 002 542 7619, A 002 542 23 19 A 002 542 76 19
	9 9476 1 NEW	12V 30A	Nagares PSA	RDE/15-12 454935, 9627109680
 T11	 C11		9 9488 1 NEW	24V Nagares RDPS/5-24
	9 9502 1 NEW	ABS Relais	Mercedes Benz	201 540 3745
	9 9504 1 NEW	12V Wiper Relay	Nagares PSA	TLPS/6-12 9753498780
	9 9514 1 NEW	ABS Relais	Mercedes Benz	000 540 6745

STECKSOCKEL SOCKETS

	IKA-No.	Technical Details	References
	9 9040 1	Socket Micro Relay 2x6,3mm 3x4,8mm with Bracket	Bosch Hella Iveco 3 334 485 045 8JD733767-001 41627783
	9 9041 1	Socket HD Relay 2x9,5mm 3x6,3mm 4x2,8mm with Bracket	MAN Volvo 8125435-0500 28015029
	9 9042 1	Socket Mini Relay 5x6,3mm 4x2,8mm with Bracket	BMW Bosch Caterpillar Daewoo Fiat Ford Hella Iveco John Deere Mercedes Benz Nagares Porsche Renault Volvo VW 1 361 496 3 334 485 008 7T 6365 3 334 485 008 1164650, 5113898 0608 3293, 5100 820, 81DB 14A481 AA 8JA 003 526-001 1164650, 42098535, 8168785 AZ 26 995 006 545 14 28, 629 821 00 31, 638 545 00 28 721 185 13 51, A 006 545 14 28, A 629 821 00 31 A 638 545 00 28, A 721 185 13 51 ZB1 914 612 415 00 50 00 786 249 13946556, 4780950, 946556 251 963 425, 321 937 501
	9 9043 1	Socket ATO Fuse with Bracket	
	9 9044 1	Change-Over Socket HD Relay 3x9,5mm 2x6,3mm 4x2,8mm	
	9 9237 1	PCB mounting Socket Mini Relay 5x6,3mm	Bosch DAF Hella 3 334 485 010 086 7535 8JA717291-007
	9 9238 1	Socket Mini Relay without fixation 5x6,3mm	Bosch Hella 3 334 485 007 8JA715606-001

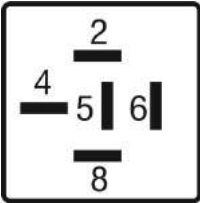
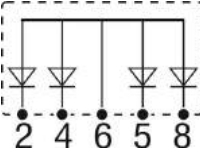
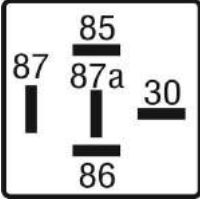
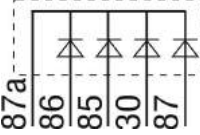
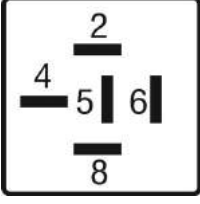
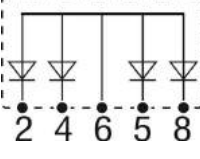
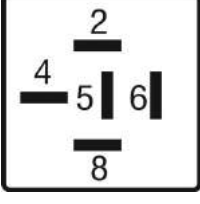
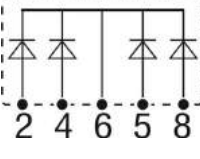
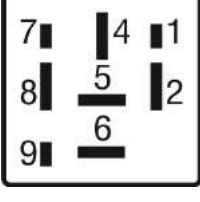
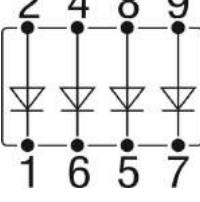
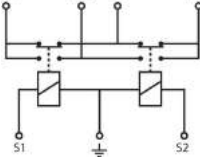
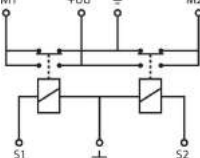
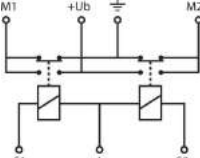
STECKSOCKEL SOCKETS

	IKA-No.	Technical Details	References	
	9 9239 1	PCB mounting Socket Micro Relay 2x6,3mm 3x4,8mm		
	9 9240 1	Socket Micro Relay without fixation 2x6,3mm 3x4,8mm	Bosch	3 334 485 046
	9 9428 1	for Relays with Skirt Socket with Wires		
	9 9130 1	Fuse Holder Mini 4x Mini-Fuse		
	9 9244 1	Fuse Holder Mini 1x Mini-Fuse		
	9 9249 1	Fuse Holder w. Wire ATO-Fuse		
	9 9250 1	Fuse Holder w. Wire Mini-Fuse		
	9 9251 1	Fuse Holder w. Wire Maxi-Fuse		

STECKSOCKEL SOCKETS

	IKA-No.	Technical Details	References
	9 9254 1	Fuse Holder w. Wire ATO-Fuse	
	9 9255 1	Fuse Holder LED 6x ATO-Fuse	
	9 9330 1	Fuse Holder LED ATO-Fuse	
	9 9419 1	Fuse Holder Mini 10x Mini-Fuse	

DIVERSE GERÄTE VARIOUS DEVICES

			IKA-No.	Technical Details	Application
			9 9217 1	Pin2 = P600K Pin4 = 1N5406 Pin5 = 1N4007 Pin8 = 1N4007	Diode Block
			9 9218 1	1N4006	Diode Block
			9 9219 1	1N5406	Diode Block
			9 9220 1	1N5406	Diode Block
			9 9421 1	1N4007	Diode Block
			9 9018 1	12V 100/400A	Reversing Solenoid
			9 9107 1	12V 50A	Reversing Solenoid
			9 9021 1	24V 50/200A	Reversing Solenoid

DIVERSE GERÄTE VARIOUS DEVICES

	IKA-No.	Technical Details	Application
	9 9506 1 NEW	12V	Xenon HID Module
	9 9513 1 NEW	12V	Xenon / LED Module
	9 9221 1	12V 1,2W Green	Indicator Light
	9 9222 1	12V 1,2W Green C2 White	Indicator Light
	9 9223 1	12V 1,2W Blue	Indicator Light
	9 9224 1	12V 1,2W Red	Indicator Light
	9 9225 1	12V 1,2W Orange	Indicator Light
	9 9226 1	24V 1,2W Green	Indicator Light

DIVERSE GERÄTE VARIOUS DEVICES

	IKA-No.	Technical Details	Application
	9 9227 1	24V 1,2W Blue	Indicator Light
	9 9228 1	24V 1,2W Red	Indicator Light
	9 9229 1	24V 1,2W Orange	Indicator Light
	9 9037 1	102dB	Back up Alarm 12-24V
	9 9038 1	112dB	Back up Alarm 12-24V
	9 9039 1	102dB	Back up Alarm 12-24V
	9 9216 1	20A	Converter 24V to 12V

Klemmbezeichnungen nach DIN 72 552

Terminal Descriptions according to DIN 72 552

Klemme

Terminal

15	Geschaltetes Plus hinter Batterie (Ausgang Zündschalter) Switched positive pole after battery (Output of ignition switch)
15a	Ausgang am Vorwiderstand zur Zündspule und zum Starter Output at dropping resistor to ignition coil and starter
30	Eingang von Batterie Plus (direkt) Input from + battery terminal (direct)
30a	Batterieumschaltung 12/24V, Eingang von Batterie II Plus 12/24V battery switch, input from + terminal of battery II
31	Rückleitung ab Batterie / Minus oder Masse (direkt) Return line to battery / battery terminal or ground (direct)
31b	Rückleitung an Batterie oder Masse über Schalter Return line to negative battery terminal or ground via switch
31a	Rückleitung an Batterie II minus Return line to - terminal of battery II
49	Blinkgeber Eingang Flasher input
49a	Blinkgeber Ausgang Flasher output
49b	Blinkgeber Ausgang zweiter Blinkkreis Flasher Output, second turn-signal circuit
49c	Blinkgeber Ausgang dritter Blinkkreis Flasher Output, third turn-signal circuit
53	Wischermotor Eingang (+) Wiper motor input (+)
53a	Wischer (+) Endabstellung Wiper (+), self-parking switch-off
53b	Wischer Nebenschlusswicklung Wiper (shunt winding)
53c	Elektrische Scheibenspülerpumpe Electric windshield-washer pump
53e	Wischer Bremswicklung Wiper (brake winding)
55	Nebelscheinwerfer Fog lamps

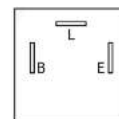
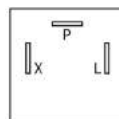
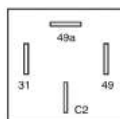
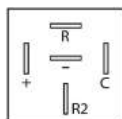
Klemme

Terminal

56	Scheinwerfer Headlamp
56a	Fernlicht High beam
56b	Abblendlicht Low beam
56d	Lichthupenkontakt Headlamp-flasher contact
84	Relaiskontakt und Antrieb, Eingang Stromrelais Relay contact and actuator, input of current relay
84a	Ausgang Antrieb Stromrelais Output actuator of current relay
84b	Relaiskontakt Ausgang Stromrelais Relay contact, output of current relay
85	Wicklungsende Relais Relay, output actuator, end of winding
86	Wicklungsanfang Relais Relay, start of winding
87	Relaiskontakt Eingang Relays contact input
87a	Relaiskontakt Ausgang Öffnerseite Relay, first output (brake side)
87b	Relaiskontakt 2, Ausgang Relay, second output
87c	Relaiskontakt 3, Ausgang Relay, third output
C	1. Kontrolllampe First indicator lamp
C0	Hauptanschluss für vom Blinker getrennte Kontrollkreise Main terminal connection for separate indicator circuits
C2	2. Kontrolllampe Second indicator lamp
C3	3. Kontrolllampe Third indicator lamp

Klemmenbelegung Blinkgeber Terminals Connection of Flasher

Country	E, F, I,	D	USA, CA, UK	Japan
Standard	SAE	DIN		
Battery +	+	49	X	B
Ground	-	31		E
Switch	C	49a	L	L
Control Lamp Vehicle	R	C	P	
Control Lamp Trailer	R2	C2		



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