

AUSGABE  
EDITION

2018/2019

Quality inside

Neue Teile  
New parts  
Nouveaux produits

=

**NEW**

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Die Artikel können über Referenznummern, Aggregatnummern oder Fahrzeugverwendungen gesucht werden.

Den GEBE-Compass gibt es **online oder als App**.

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**.



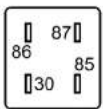
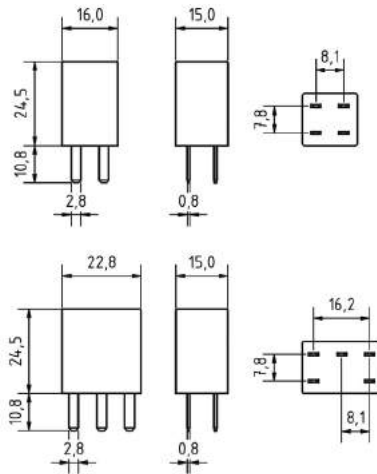
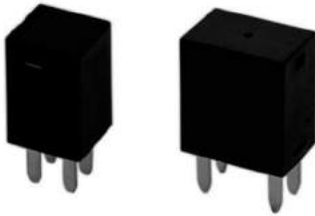
# INHALTSVERZEICHNIS - INDEX - SOMMAIRE

RELAYS/DEVICES 2018/2019

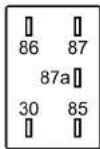
	Seite - Page
<b>MIKRO / ULTRAMIKRO RELAIS</b> MICRO / ULTRA MICRO RELAYS	1 - 5
<b>MINI RELAIS</b> MINI RELAYS	6 - 13
<b>HOCHLEISTUNGSRELAIS</b> HD RELAYS	14 - 19
<b>RELAIS MIT SCHÜRZE</b> RELAYS WITH SKIRT	20 - 21
<b>BLINKGEBER</b> FLASHERS / PULSE GENERATORS	22 - 27
<b>LÜFTERSTEUERUNGEN</b> FAN REGULATORS	28 - 30
<b>WIDERSTAND INNENRAUMGEBLÄSE</b> BLOWER MOTOR RESISTOR	31
<b>GLÜHZEITRELAIS</b> PREHEATING RELAYS	32 - 37
<b>BSR RELAIS</b> VSR RELAYS	38 - 39
<b>BATTERIEMANAGEMENT</b> BATTERY MANAGEMENT	40 - 43
<b>KRAFTSTOFFPUMPENRELAIS</b> FUEL PUMP RELAYS	44 - 45
<b>ZEIT- / FUNKTIONSRELAIS</b> TIMER / MULTITIMER RELAYS	46 - 47
<b>RELAIS SONDERANWENDUNG</b> SPECIFIC APPLICATION	48 - 51
<b>STECKSOCKEL</b> SOCKETS	52 - 55
<b>DIVERSE GERÄTE</b> VARIOUS DEVICES	56 - 59
<b>TECHNISCHE INFORMATIONEN</b> TECHNICAL INFORMATION	60 - 61
<b>VERGLEICHLISTE</b> CROSS REFERENCE LIST	62 - 72



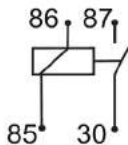
Ultra Micro Relays / Ultra Mikro Relais



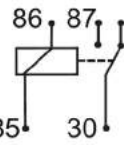
T17



T18



C1

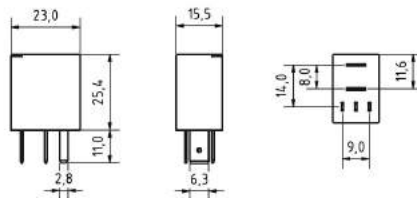


C4

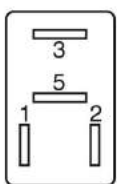
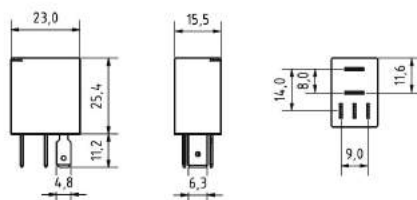
Micro Relays / Mikro Relais



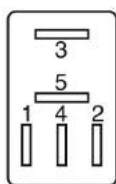
Version 2.8mm (T15 / T16)



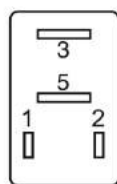
Version 4.8mm (T13 / T14)



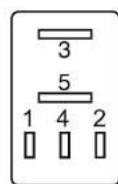
T13



T14


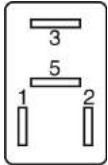
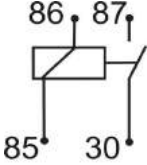

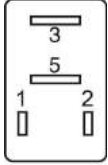
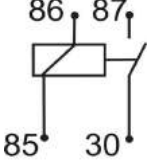

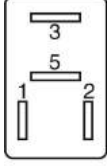
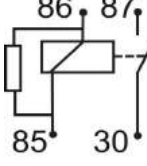

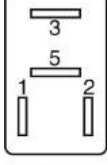
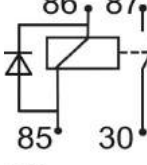

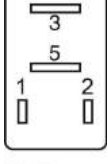
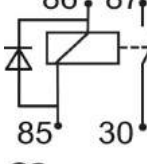

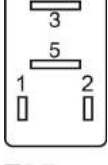
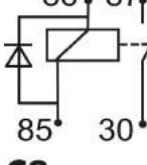

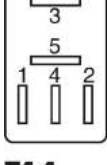
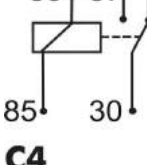

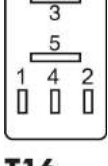
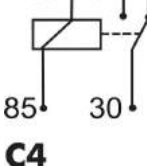


T15


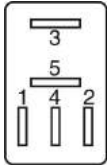
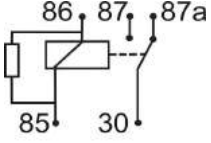

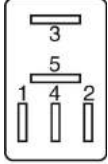
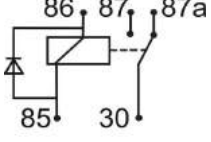

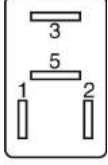
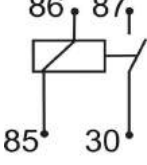

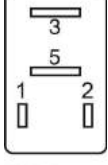
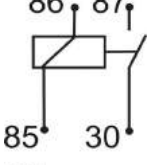

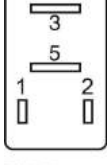
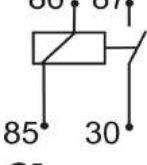

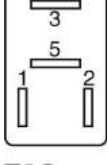
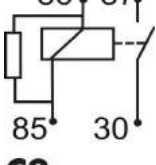

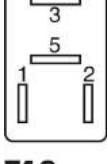
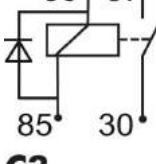

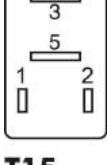
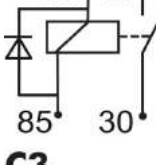


T16


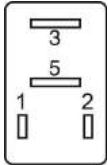
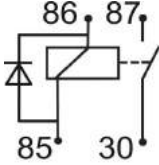

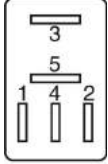
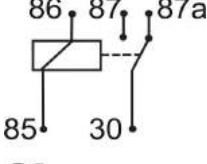

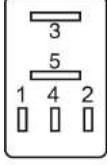
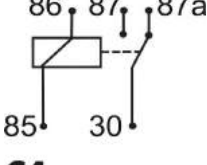

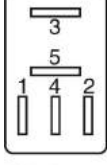
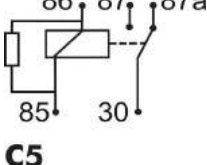

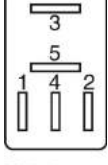
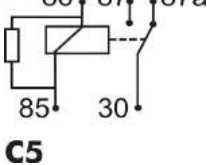

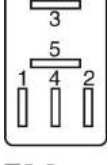
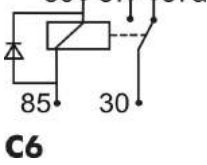

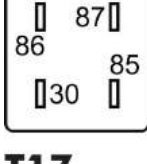
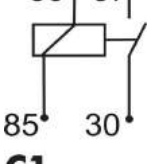

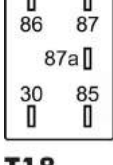
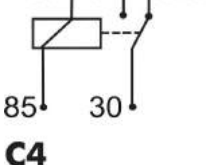
# MIKRO / ULTRAMIKRO RELAIS MICRO / ULTRA MICRO RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 <b>T13</b>	 <b>C1</b>	9 9048 1	12V	25A	Normally Open	
	 <b>T15</b>	 <b>C1</b>	9 9050 1	12V	25A	Normally Open	2,8mm Version
	 <b>T13</b>	 <b>C2</b>	9 9053 1	12V	25A	Normally Open with Resistor	
	 <b>T13</b>	 <b>C3</b>	9 9054 1	12V	25A	Normally Open with Diode	Sealed
	 <b>T15</b>	 <b>C3</b>	9 9051 1	12V	25A	Normally Open with Diode	2,8mm Version
	 <b>T15</b>	 <b>C3</b>	9 9058 1	12V	25A	Normally Open with Diode	2,8mm Version Sealed
	 <b>T14</b>	 <b>C4</b>	9 9055 1	12V	15/25A	Changeover	Sealed
	 <b>T16</b>	 <b>C4</b>	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
			9 9056 1	12V	15/25A	Changeover with Resistor	
<b>T14</b>		<b>C5</b>					
			9 9057 1	12V	15/25A	Changeover with Diode	Sealed
<b>T14</b>		<b>C6</b>					
			9 9059 1	24V	15A	Normally Open	
<b>T13</b>		<b>C1</b>					
			9 9286 1	24V	15A	Normally Open	2,8mm Version
<b>T15</b>		<b>C1</b>					
			9 9412 1	24V	15A	Normally Open	2,8mm Version Sealed
<b>T15</b>		<b>C1</b>					
			9 9425 1	24V	10A	Normally Open with Resistor	
<b>T13</b>		<b>C2</b>					
			9 9289 1	24V	10A	Normally Open with Diode	Sealed
<b>T13</b>		<b>C3</b>					
			9 9287 1	24V	15A	Normally Open with Diode	2,8mm Version
<b>T15</b>		<b>C3</b>					

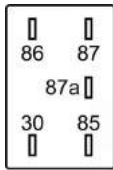
# MIKRO / ULTRAMIKRO RELAIS MICRO / ULTRA MICRO RELAYS

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

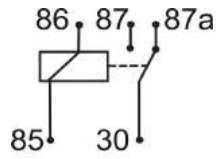


MIKRO / ULTRAMIKRO RELAIS  
 MICRO / ULTRA MICRO RELAYS

IKA-No.    Nominal Voltage    Nominal Current    Function    Details



**T18**



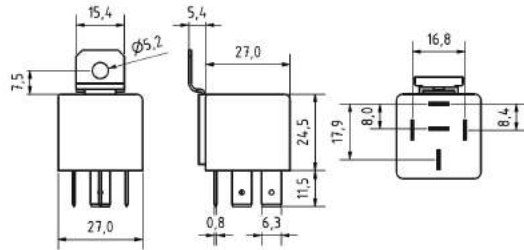
**C4**

9 9384 1    24V    10/20A    Changeover

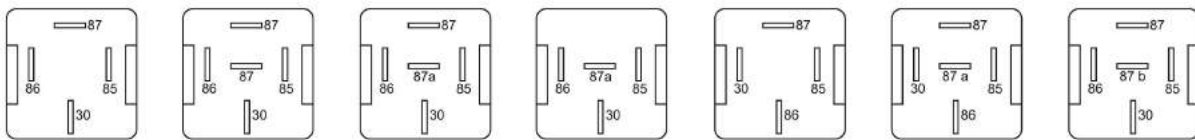
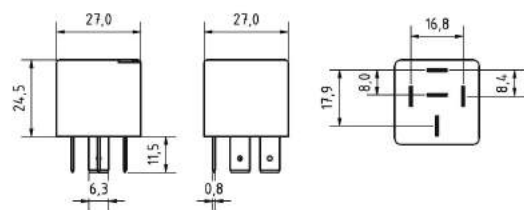
Mini Relays / Mini Relais



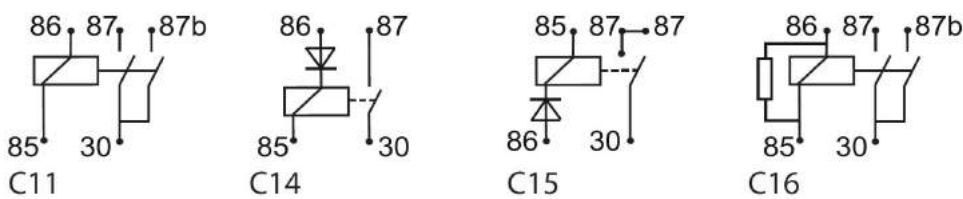
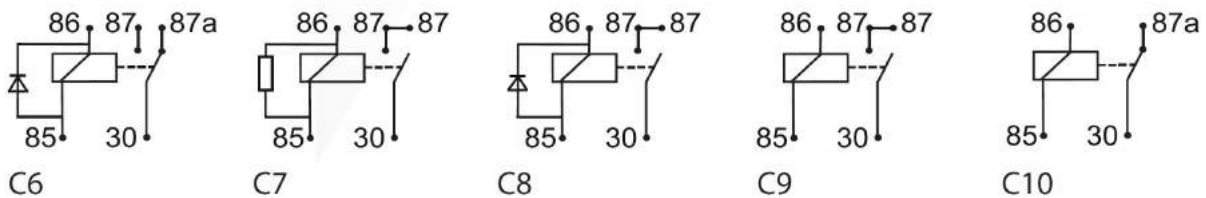
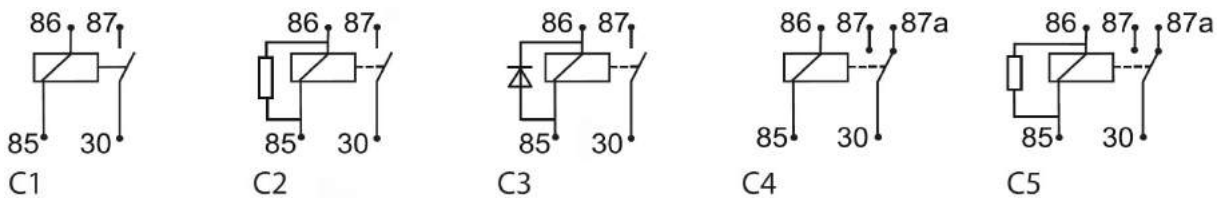
Mit Lasche / With Bracket



Ohne Lasche / Without Bracket


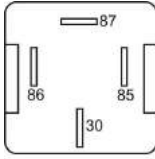
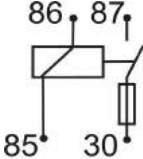

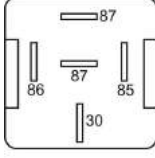
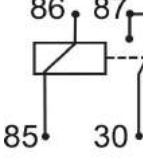

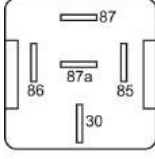
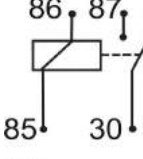

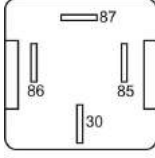
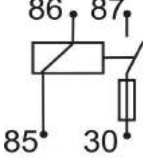

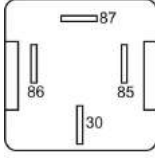
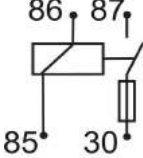

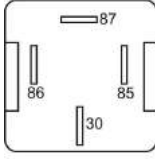
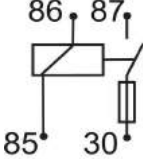

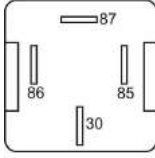
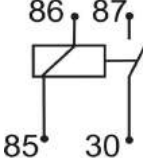

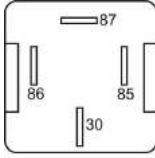
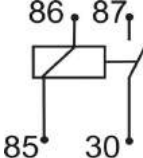


T1 T2 T3 T4 T9 T10 T11




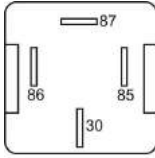
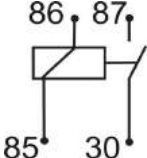

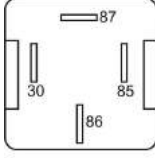
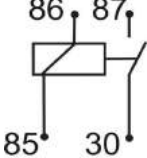

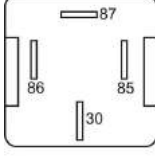
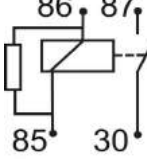

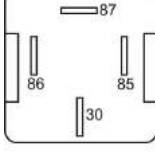
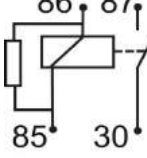

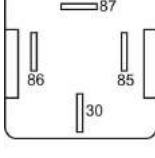
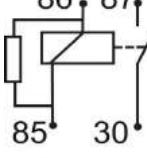

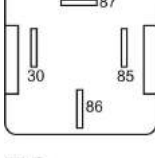
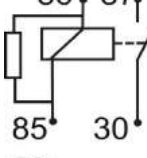

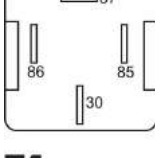
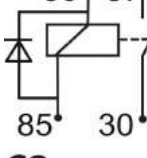

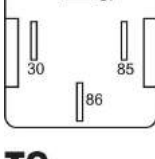
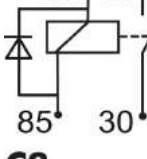
# MINI RELAIS

## MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9010 1	6V	15A ATO Fuse	Normally Open	with Bracket
<b>T1</b>		<b>C12</b>					
			9 9078 1	6V	40A 2x87	Normally Open	with Bracket
<b>T2</b>		<b>C9</b>					
			9 9112 1	6V	30/40A	Changeover	with Bracket
<b>T3</b>		<b>C4</b>					
			9 9000 1	12V	15A ATO Fuse	Normally Open	with ATO fuse with Bracket
<b>T1</b>		<b>C12</b>					
			9 9510 1 <b>NEW</b>		20A ATO Fuse	Normally Open	with ATO fuse with Bracket
<b>T1</b>		<b>C12</b>					
			9 9482 1 <b>NEW</b>	12V	30A ATO Fuse	Normally Open	with ATO fuse with Bracket
<b>T1</b>		<b>C12</b>					
			9 9001 1	12V	30A	Normally Open	with Bracket
<b>T1</b>		<b>C1</b>					
			9 9002 1	12V	40A	Normally Open	with Bracket
<b>T1</b>		<b>C1</b>					


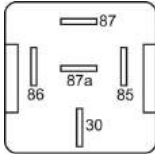
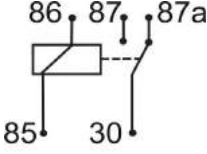

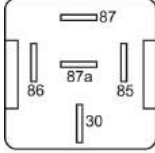
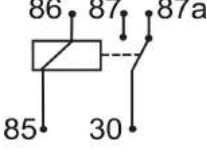

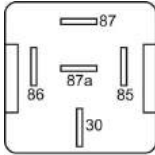
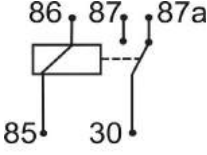

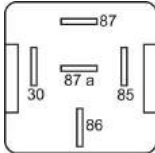
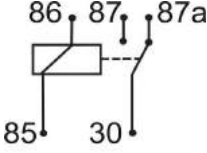

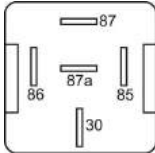
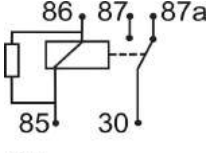

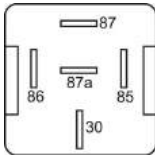
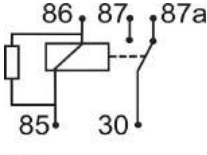

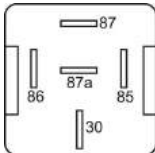
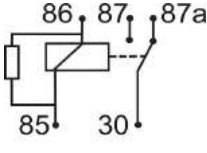

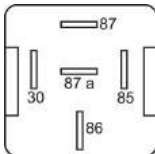
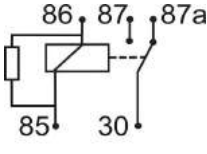
# MINI RELAIS

## MINI RELAYS

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


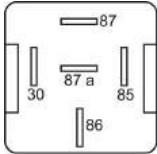
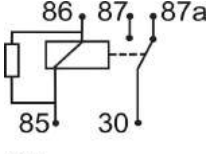

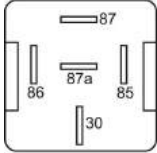
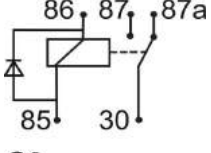

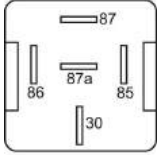
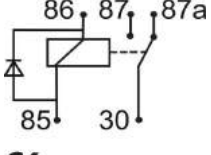

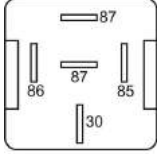
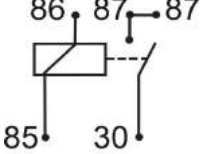

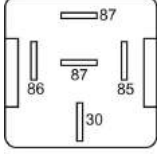
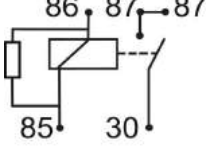

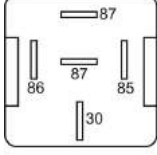
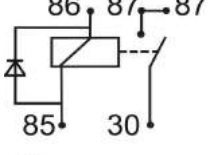

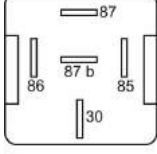
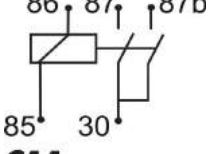

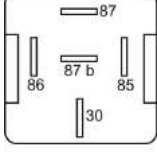
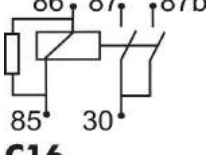
# MINI RELAIS

## MINI RELAYS

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


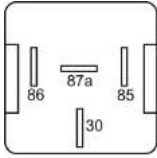
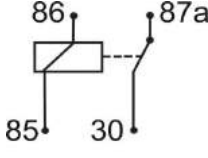

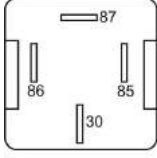
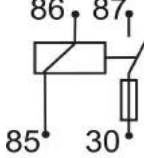

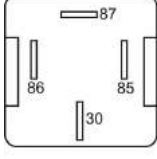
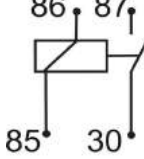

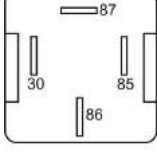
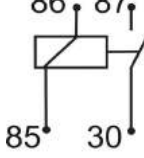

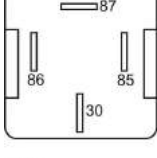
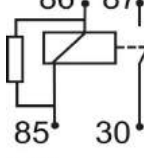

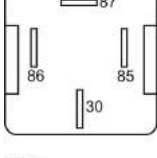
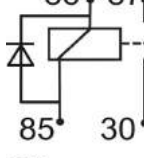

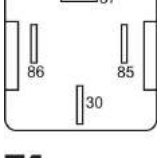
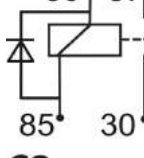

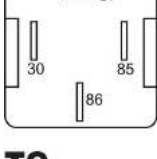
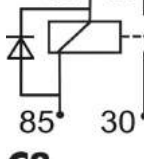
# MINI RELAIS

## MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9314 1	12V	30/40A	Changeover with Resistor	Swapped Pins 30 & 86 with Bracket
<b>T10</b>		<b>C5</b>					
			9 9062 1	12V	30/40A	Changeover with Diode	without Bracket Sealed
<b>T3</b>		<b>C6</b>					
			9 9308 1	12V	30/40A	Changeover with Diode	with Bracket
<b>T3</b>		<b>C6</b>					
			9 9005 1	12V	40A 2x87	Normally Open	with Bracket
<b>T2</b>		<b>C9</b>					
			9 9006 1	12V	40A 2x87	Normally Open with Resistor	with Bracket
<b>T2</b>		<b>C7</b>					
			9 9309 1	12V	40A 2x87	Normally Open with Diode	with Bracket
<b>T2</b>		<b>C8</b>					
			9 9295 1	12V	2x25A	Normally Open	with Bracket
<b>T11</b>		<b>C11</b>					
			9 9296 1	12V	2x25A	Normally Open with Resistor	with Bracket
<b>T11</b>		<b>C16</b>					


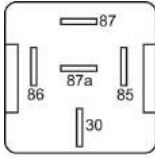
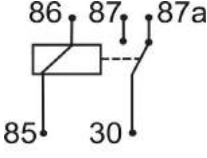

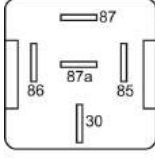
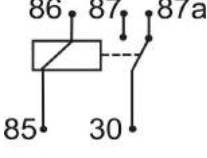

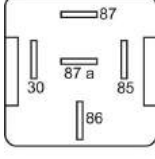
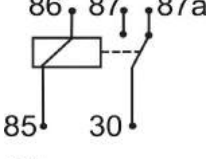

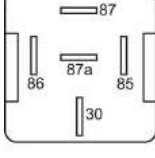
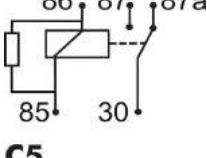

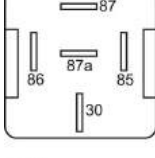
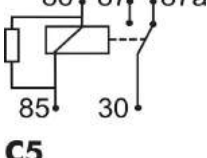

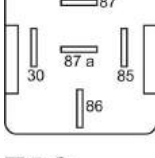
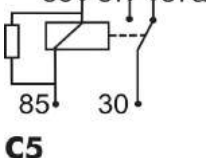

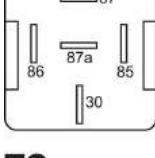
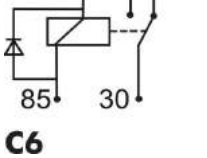

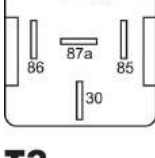
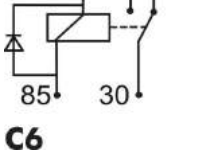
# MINI RELAIS

## MINI RELAYS

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

# MINI RELAIS


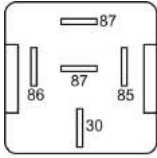
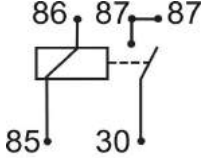

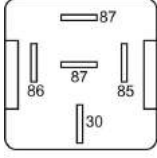
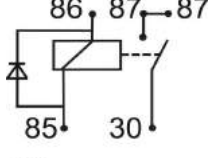

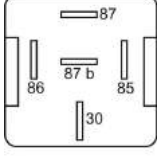
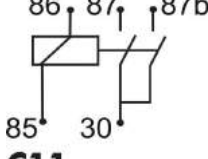

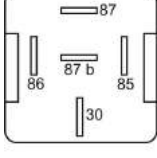
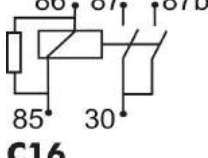

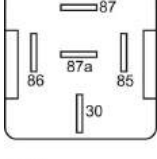
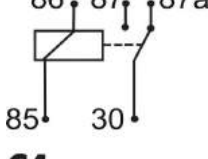
## MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9009 1	24V	10/20A	Changeover	with Bracket
			9 9072 1	24V	10/20A	Changeover	without Bracket Sealed
			9 9070 1	24V	10/20A	Changeover	Swapped Pins 30 & 86 with Bracket
			9 9063 1	24V	10/20A	Changeover with Resistor	with Bracket
			9 9073 1	24V	10/20A	Changeover with Resistor	without Bracket Sealed
			9 9075 1	24V	10/20A	Changeover with Resistor	Swapped Pins 30 & 86 without Bracket Sealed
			9 9064 1	24V	10/20A	Changeover with Diode	with Bracket
			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
<b>T2</b>	<b>C9</b>						
			9 9066 1	24V	20A 2x87	Normally Open with Diode	with Bracket
<b>T2</b>	<b>C8</b>						
			9 9067 1	24V	2x15A	Normally Open	with Bracket
<b>T11</b>	<b>C11</b>						
			9 9068 1	24V	2x15A	Normally Open with Resistor	with Bracket
<b>T11</b>	<b>C16</b>						
			9 9079 1	48V	5/10A	Changeover	with Bracket
<b>T3</b>	<b>C4</b>						

HD Relays / Hochleistungsrelais



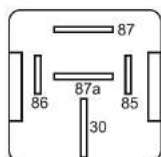
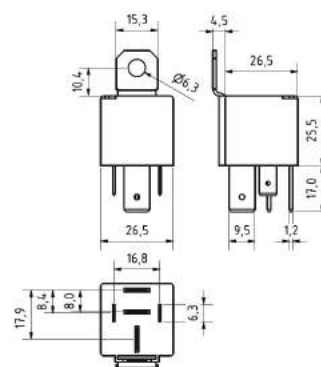
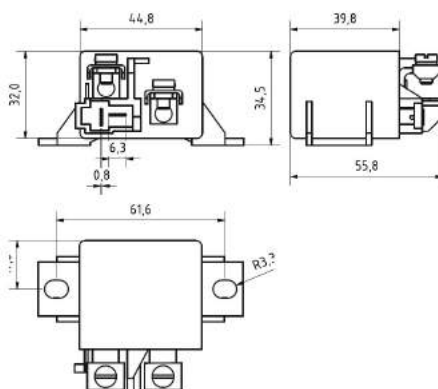
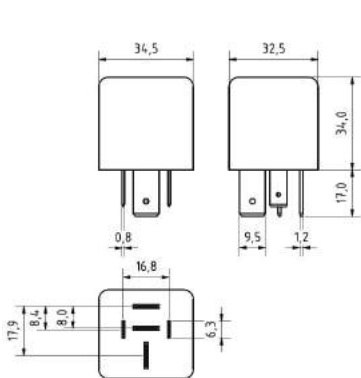
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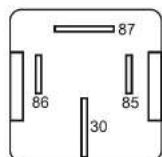
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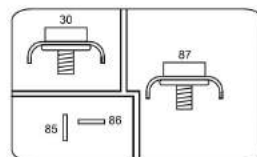
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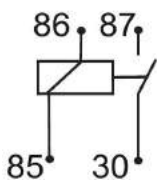
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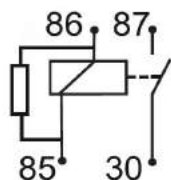
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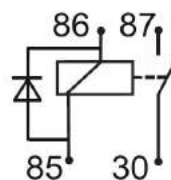
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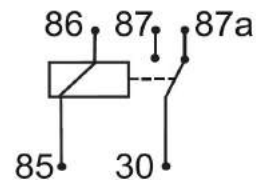
C1



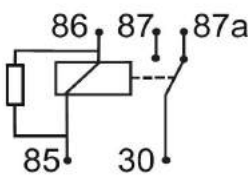
C2



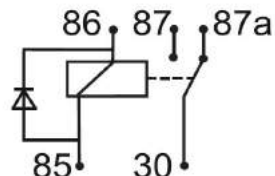
C3



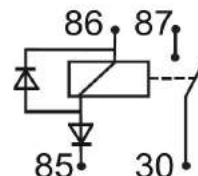
C4



C5


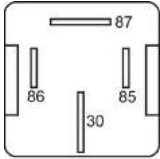
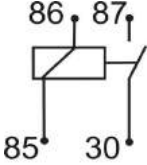

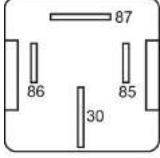
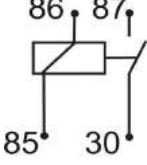

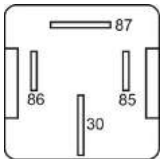
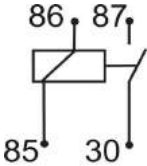

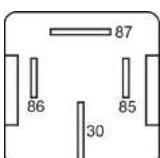
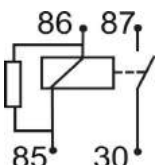

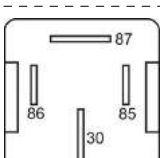
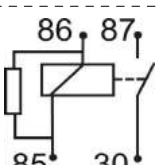

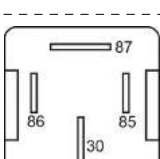
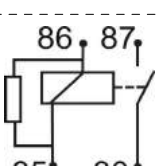

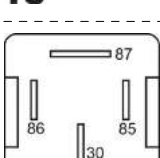
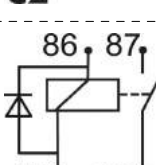

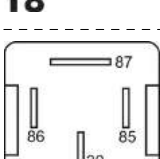
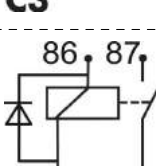


C6


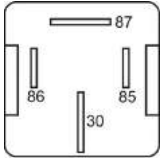
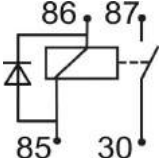

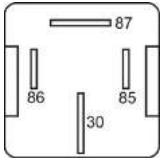
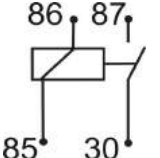

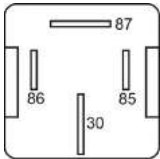
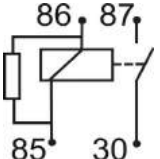

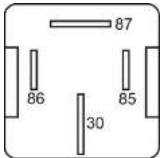
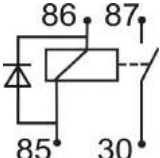

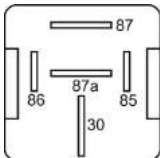
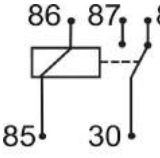

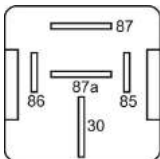
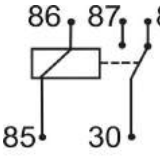

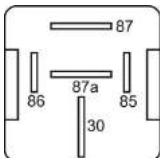
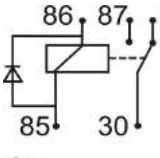

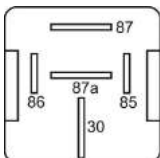
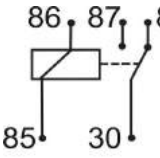


C17


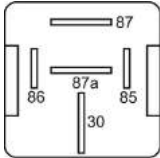
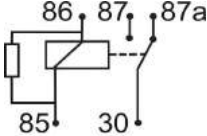

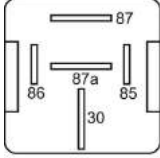
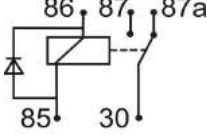

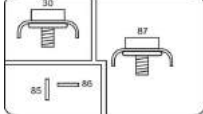
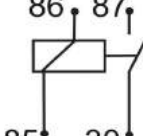

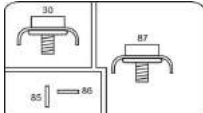
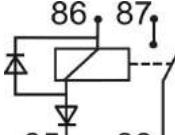

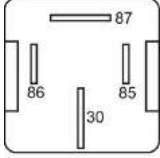
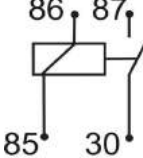

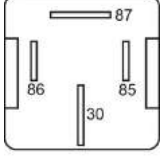
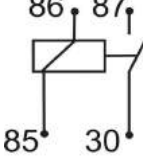

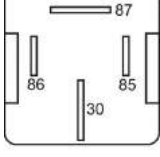
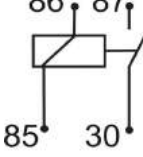

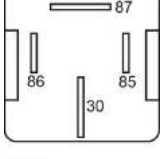
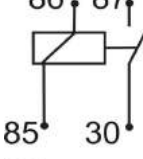
# HOCHLEISTUNGSRELAIS HD RELAYS

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


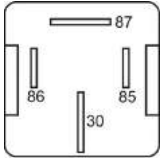
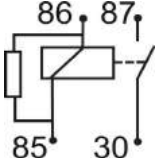

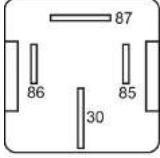
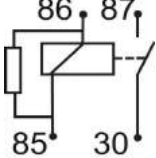

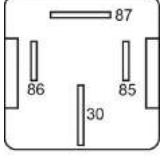
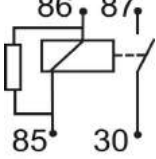

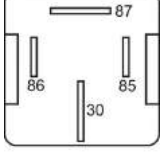
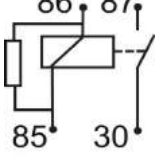

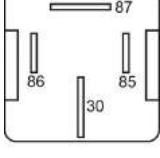
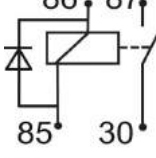

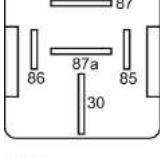
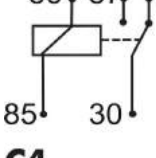

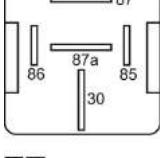
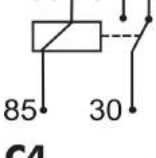

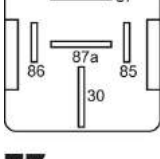
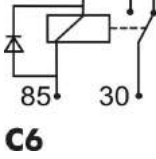
# HOCHLEISTUNGSRELAIS HD RELAYS

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


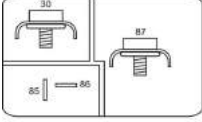
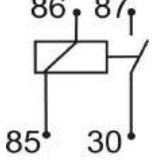

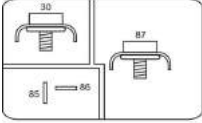
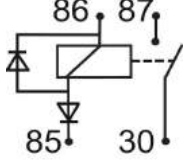
# HOCHLEISTUNGSRELAIS HD RELAYS

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

# HOCHLEISTUNGSRELAIS HD RELAYS


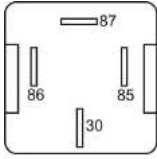
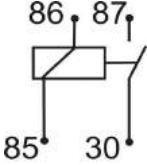

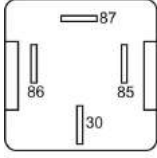
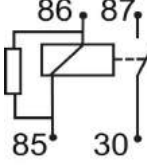

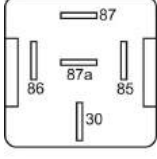
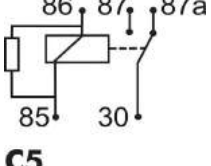

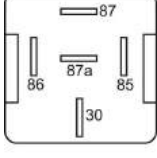
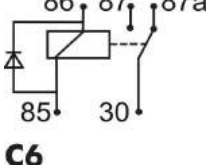

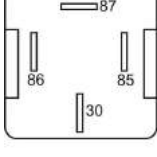
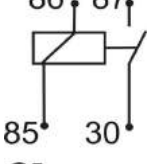

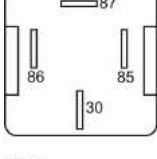
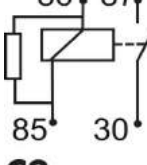

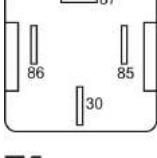
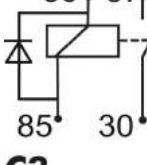

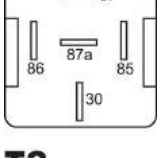
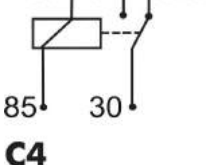
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 <b>T8</b>	 <b>C2</b>	9 9099 1	24V	40A	Normally Open with Resistor	without Bracket Sealed
	 <b>T8</b>	 <b>C2</b>	9 9103 1	24V	50A	Normally Open with Resistor	without Bracket Sealed
	 <b>T8</b>	 <b>C2</b>	9 9313 1	24V	70A	Normally Open with Resistor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

# HOCHLEISTUNGSRELAIS HD RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
		 <p><b>C1</b></p>	9 9096 1	24V	50A	Normally Open	Screwed Connection with Bracket
		 <p><b>C17</b></p>	9 9097 1	24V	50A	Normally Open with Diode	Screwed Connection with Bracket

# RELAIS MIT SCHÜRZE


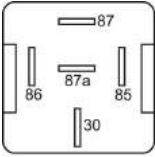
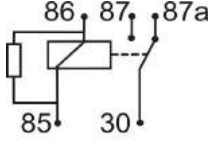

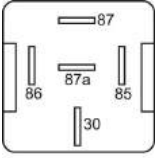
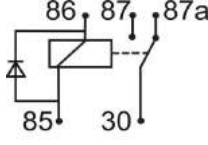
## RELAYS WITH SKIRT

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



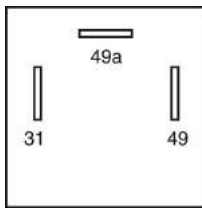
# RELAIS MIT SCHÜRZE

## RELAYS WITH SKIRT

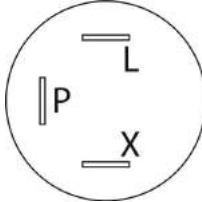
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9140 1	24V	10/20A	Changeover with Resistor	with Skirt with Bracket
<b>T3</b>	<b>C5</b>						
			9 9389 1	24V	10/20A	Changeover with Diode	with Skirt with Bracket
<b>T3</b>	<b>C6</b>						

# BLINKGEBER FLASHERS / PULSE GENERATORS

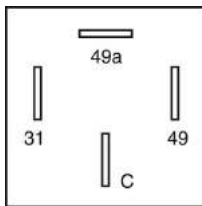
IKA-No.    Technical Details    References



**9 9182 1**    6V  
42W

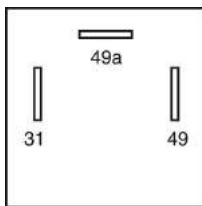


**9 9189 1**    6V  
42W



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


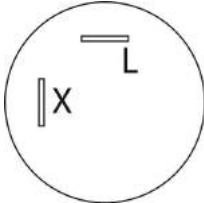

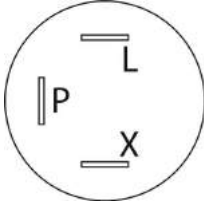

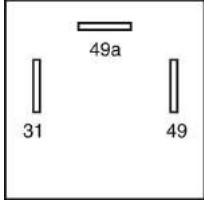

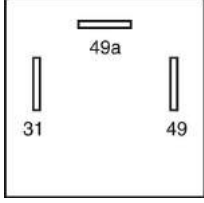

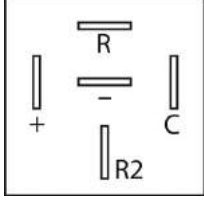

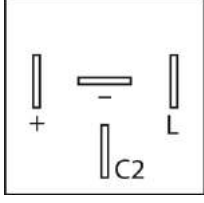


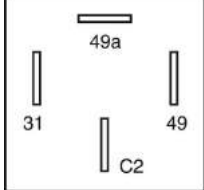
BMW	1 244 377, 1 244 392, 1 365 113 1 371 539, 1 371 907, 1366727 1371909, 61311366727, 61311371907
Bosch	0 335 200 078, 0 336 203 005, 0 336 206 004
Fiat	4476337
Ford	6041768, 6048781, 6126024 75DB-13350A-3A, 75DB-13350-AA, 85GG13350AA
Hella	4DB001887-001, 4DB001887-002, 4DB001887-021 4DB001887-022, 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

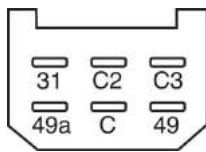
BMW	1 243 565, 1 244 314, 1 244 377 1 244 392, 1 365 113, 1 366 727 1 371 539, 1 371 907, 4 257 342
Bosch	0 335 200 003, 0 335 200 004, 0 335 200 012 0 335 200 013, 0 335 200 022, 0 335 200 023 0 335 200 027, 0 335 200 028, 0 335 200 035
Fiat	464 635 29, 608 05 630
Ford	4078559, 4162892, 6048781 81BG-13350-AB, 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 111 953 227 D, 113 953 227, 191 953 227 A 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	

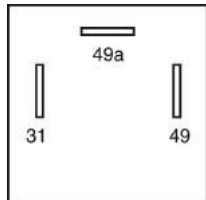
# BLINKGEBER FLASHERS / PULSE GENERATORS

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

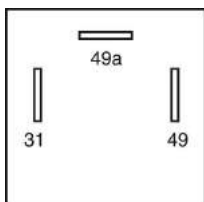
Nagares    IT-180-12, IT-180-12S

# BLINKGEBER FLASHERS / PULSE GENERATORS

IKA-No.    Technical Details    References



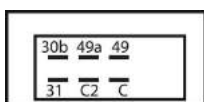
**9 9520 1**    12V  
**NEW**    2(4)x21W+0..4W  
Fiat    7595406  
Nagares    ITA/4-12, ITAS/4-12  
PSA    549040486, 6323.07, 6323.15  
7520053006, 7551093710, 925359780  
Renault    7700576470, 7700628656, 7700639864  
7701348105



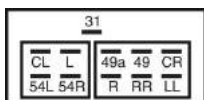
**9 9324 1**    12V  
0,1-150W LED



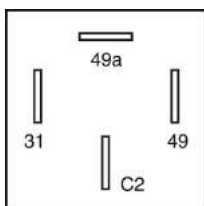
**9 9508 1**    12V  
**NEW**    0,1-150W LED



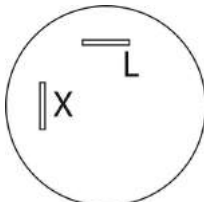
**9 9194 1**    12V  
24V  
1-8x18/21W  
Hella    4DZ004019-01



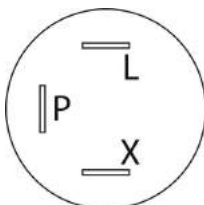
**9 9195 1**    12V  
24V  
170W  
Hella    4DZ002834-16  
Nagares    ITRC-11



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



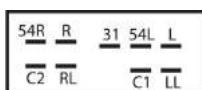
**9 9031 1**    24V  
150W



**9 9032 1**    24V  
150W

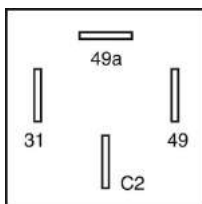
# BLINKGEBER FLASHERS / PULSE GENERATORS

IKA-No.    Technical Details    References

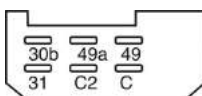


**9 9162 1**    24V  
3+1x21W  
Lamp Failure  
Control

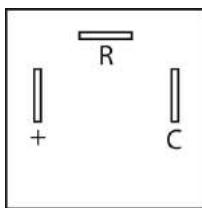
Hella    5KG005063-00



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

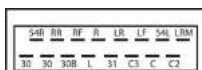


**9 9184 1**    24V  
2+1/6x21W  
Lamp Failure  
Control



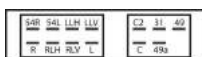
**9 9187 1**    24V  
2/4x21W

Nagares    IT-84-24



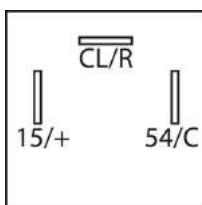
**9 9191 1**    24V  
Lamp Failure  
Control

Volvo    1079476, 3943863, 8155312  
8158697



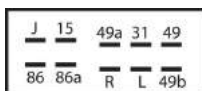
**9 9192 1**    24V  
Lamp Failure  
Control

Hella    4DJ004589-00



**9 9193 1**    24V  
500W  
Lamp Failure  
Control

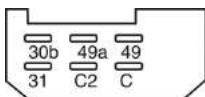
Nagares    ITN/500-24



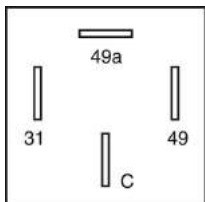
**9 9252 1**    24V  
Lamp Failure  
Control

# BLINKGEBER 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  
**NEW**    2+1+1(8)x21W  
 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
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<b>9 9373 1</b>	12V	
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Hella	5HL351321-101
Mercedes Benz	202 820 25 10, A 2028202510






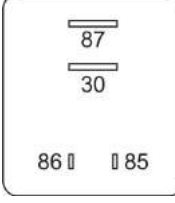

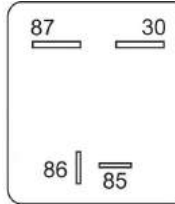


# WIDERSTAND INNENRAUMGEBLÄSE BLOWER MOTOR RESISTOR

IKA-No.	Technical Details	References
 <b>9 9374 1</b>	24V	Volvo 1425070, 1738098
 <b>9 9376 1</b>	12V	VW 1J0 819 022 A
 <b>9 9377 1</b>	12V	VW 701 959 263
 <b>9 9378 1</b>	12V	Hella VW 5HL351321-301 6Q0 959 263, 6Q0 959 263 A
 <b>9 9379 1</b>	12V	VW 191 959 263
 <b>9 9380 1</b>	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 4RV008188-051 Mercedes Benz 0065458832, 0085450032, A0065458832 Nagares A0085450032 TPDM/35-12
	9 9437 1	12V	Nagares RLGT/45-12 Nissan 25230G2400, 25230G2450, 25230G2452
	9 9438 1	12V	Nagares RLGU/45-12 Nissan 25230BN300, 25230BN30A
	9 9439 1	12V	Opel 55353011, 6235240 Suzuki 55353011
	9 9440 1	12V	Opel 1237976, 55354141, 6235303 6237637, 90508974
	9 9441 1	12V	Opel 1237233, 1237783, 55574293
	9 9442 1	12V	Nagares BRE/6-12 Opel 4402721, 9110721 Renault 7700100703, 7700111525
	9 9443 1	12V	Hella 4RV008188-271 PSA 598116, 598120, 96117510 Renault 9611751080, 9617240680 Valeo 245609, 245612

# GLÜHZEITRELAIS PREHEATING RELAYS

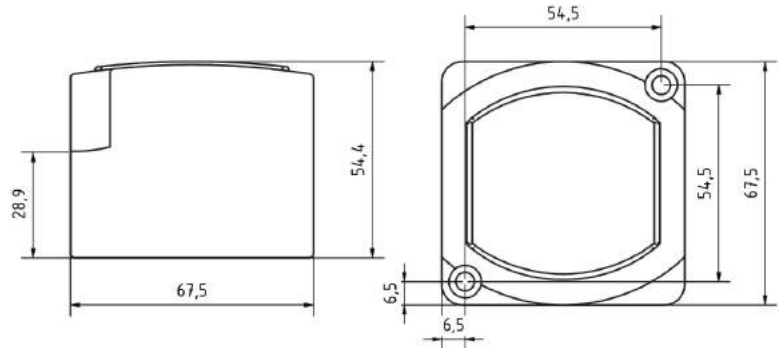
	IKA-No.	Technical Details	References
	9 9444 1	12V	Fiat 46414088, 46432278, 46438456 60812527, 7735921 Hella 4RV008188-291 Nagares PPC/5-12
	9 9445 1	12V	Fiat 1348881080, 9619039780, 9639907380 9639912580 Ford 1143426, 2S6112A343AB Nagares CEP/6-12 PSA 598125, 598131, 598138 598143 Suzuki 3885067G00 Valeo 245618
	9 9446 1	12V	Bosch 0281 003 018 Fiat 46742375, 46798692, 46807091 46812667, 46812668, 51771823 51888255, 55187288, 55193073 PSA 598142 Suzuki 3885055K00
	9 9447 1	12V	VW 038 907 281C
	9 9448 1	12V	Nagares TPDV/6-12 VW 038 907 281 D
	9 9449 1	12V	Nagares TPDV/7-12 VW 03G 907 282 A
	9 9450 1	12V	Bosch 0 281 003 031 VW 07Z 907 281 A
	9 9451 1	12V	Nagares TPDV/28-12 VW 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 <b>NEW</b>	12V	Mercedes Benz A 642 153 37 79, A 642 900 27 00, A 642 900 57 01 A 642 900 77 01

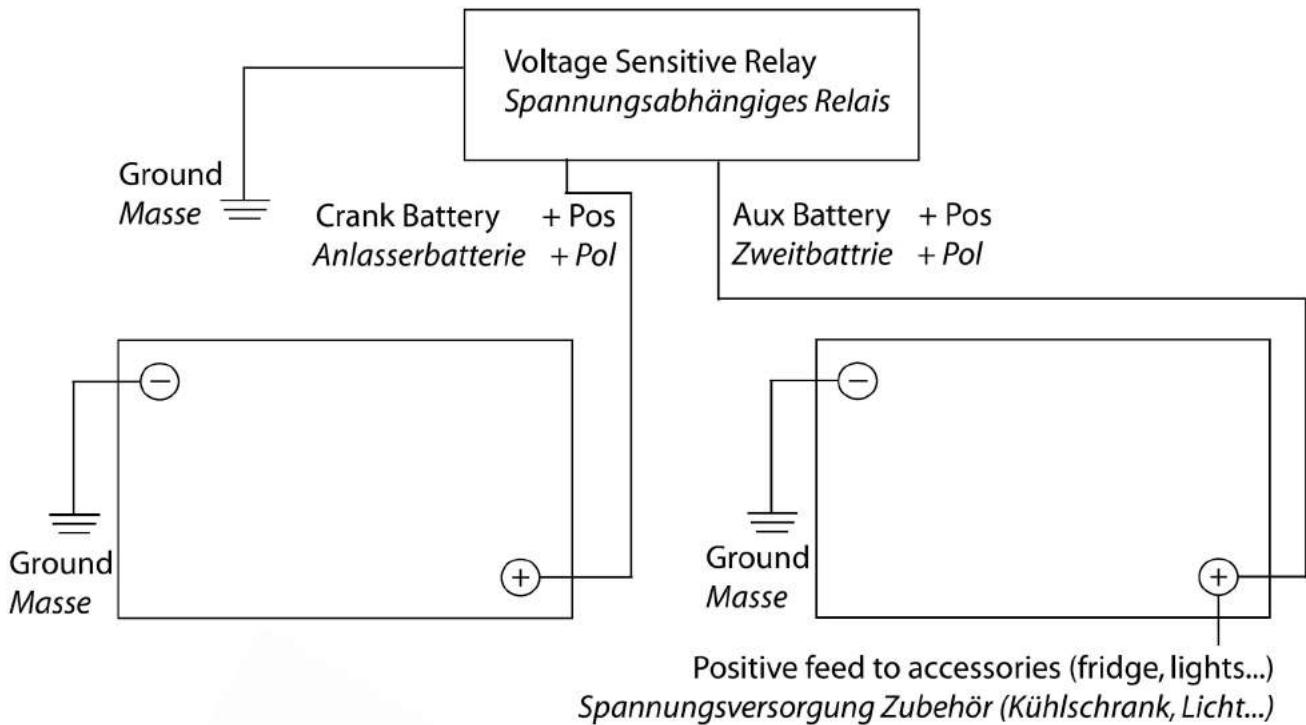
## Intelligentes Batterietrennrelais / Voltage Sensitive Battery Relay



### 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


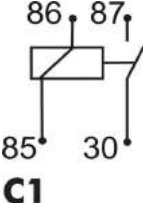

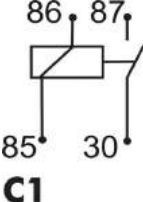

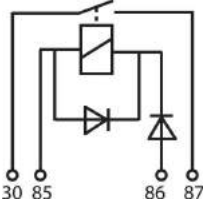

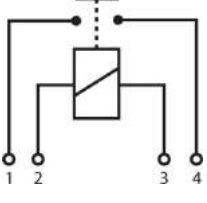

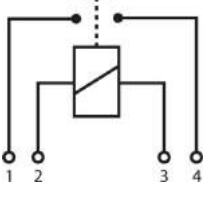

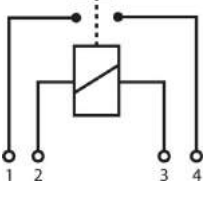

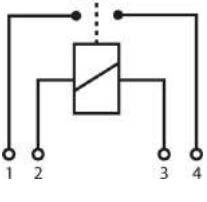

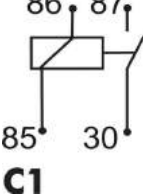


# BSR RELAIS


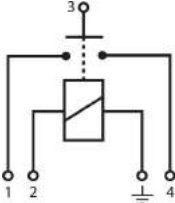

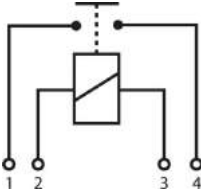

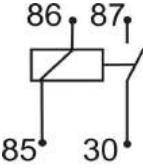

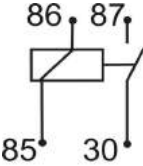

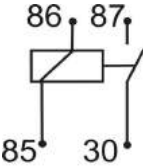

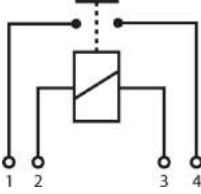

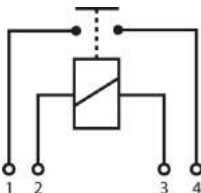

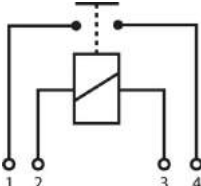
## VSR RELAYS

	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
		<b>9 9500 1</b> <b>NEW</b>	12V	100/180A	Normally Open	Screwed Connection
		<b>9 9499 1</b> <b>NEW</b>	12V	200A	Normally Open	Screwed Connection
		<b>9 9110 1</b>	12V	100/180A	Normally Open with Diode	Screwed Connection
		<b>9 9015 1</b>	12V	200/800A	Normally Open	Screwed Connection
		<b>9 9017 1</b>	12V	100/400A	Normally Open	Screwed Connection
		<b>9 9108 1</b>	12V	150/800A	Normally Open	Screwed Connection
		<b>9 9113 1</b>	12V	200/800A	Normally Open	Screwed Connection
		<b>9 9114 1</b>	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
	 <b>C1</b>	9 9022 1	24V	60/80A	Normally Open	Screwed Connection
	 <b>C1</b>	9 9023 1	24V	100/150A	Normally Open	Screwed Connection
	 <b>C1</b>	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
	 <b>NEW</b>	9 9481 1	24V	80A	Normally Open	Screwed Connection

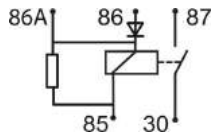
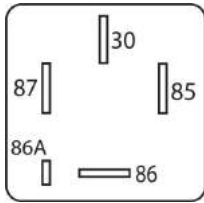
# BATTERIEMANAGEMENT BATTERY MANAGEMENT

	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

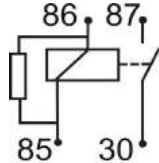
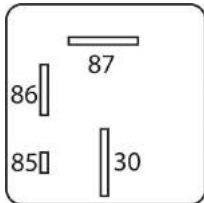


# KRAFTSTOFFPUMPENRELAIS FUEL PUMP RELAYS

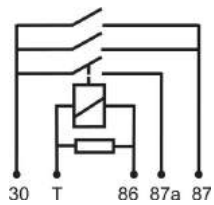
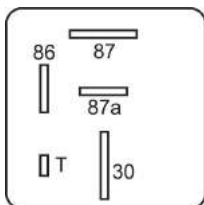
IKA-No. Technical Details References



**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



**9 9136 1** 12V  
40A VW 4D0 951 253



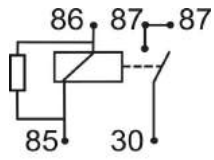
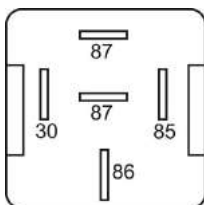
**9 9206 1** 12V PSA 1920.3N, 1920.3X, 1929.49  
96075406, 96196965, 9620734380



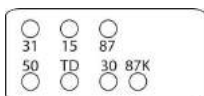
**9 9207 1** 12V Mercedes Benz 003 545 17 05, 003 545 24 05



**9 9209 1** 12V Hella  
Opel 4RP008189-051  
1238539, 1238540, 1238549  
1238966



**9 9366 1** 12V  
30A BMW 6 136 837 37 00



**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



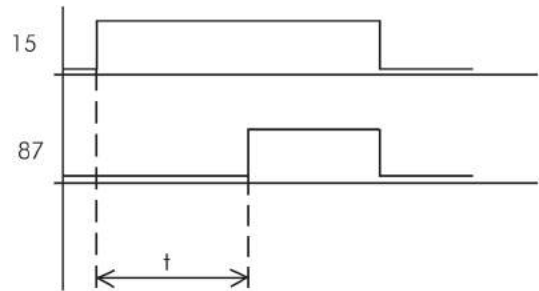
**9 9522 1**    12V    BMW    6 136 691 53 27  
**NEW**

## 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

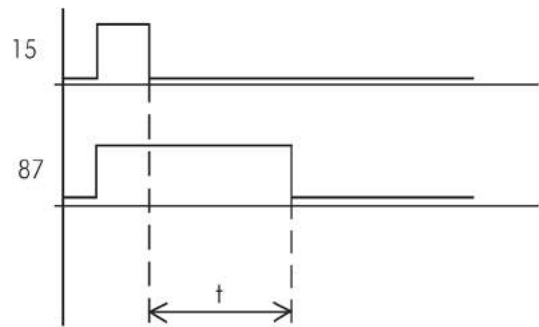
Apply supply voltage on terminal 30 and ground on terminal 31. After applying supply voltage on terminal 15, the relay will pull in after the programmed period  $t$ . When terminal 15 is opened, the relay drops back instantly.



### 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.

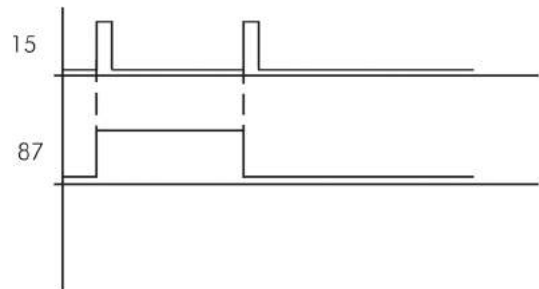
Apply supply voltage on terminal 30 and ground on terminal 31. After applying supply voltage on terminal 15, the relay pulls in instantly. When terminal 15 is opened, the relay drops back after the programmed period  $t$ .



### 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.

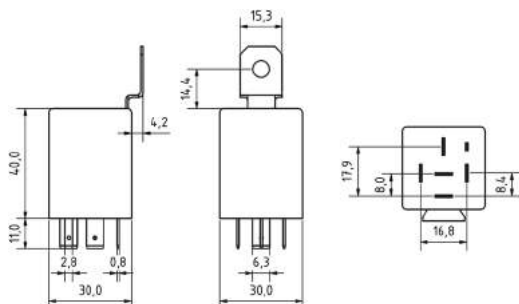
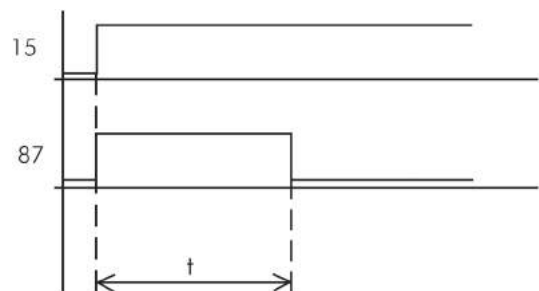
Apply supply voltage on terminal 30 and ground on terminal 31. With each pulse on terminal 15, the relay switches to the other position..



### 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  $t$ .

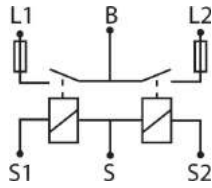
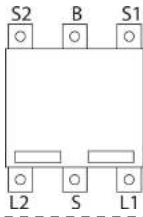


# ZEIT- / FUNKTIONSRÉLAIS TIMER / MULTITIMER RELAYS

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
<b>NEW</b> 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



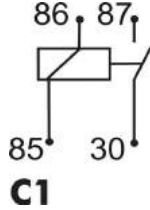
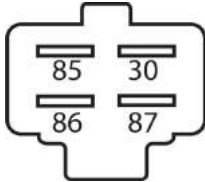
**9 9025 1**    12V  
40A  
Headlight Relay    Ford    NLR-132



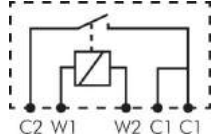
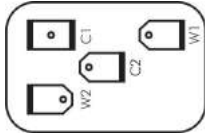
**9 9123 1**    12V  
25A Mechanical  
Latching Relay



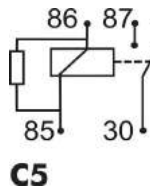
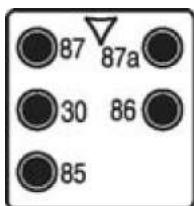
**9 9124 1**    12V  
2x150W  
Mechanical  
Latching Relay    VW    111 941 583, 411 941 583 B



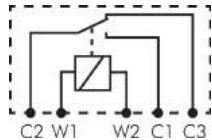
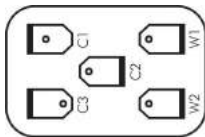
**9 9125 1**    12V  
30A



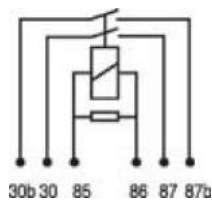
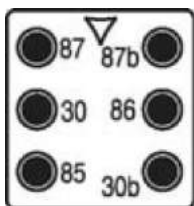
**9 9127 1**    12V  
30A    Lucas    6RANO



**9 9129 1**    12V  
20/30A    Mercedes Benz    001 542 02 19



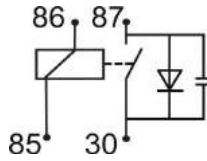
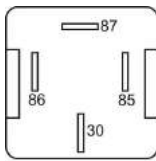
**9 9131 1**    12V  
20/30A    Lucas    6RACO



**9 9132 1**    12V  
2x15A  
Double Contact    Mercedes Benz    001 542 53 19

# RELAIS SONDERANWENDUNG SPECIFIC APPLICATION

IKA-No. Technical Details References

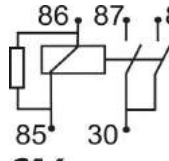
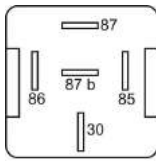


**9 9134 1** 12V  
40A  
AC Relay  
Hella  
VW  
4RA007507-061  
443 919 578C

**T1**



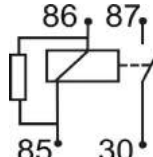
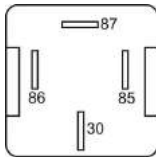
**9 9137 1** 24V  
2x150W  
Mechanical  
Latching Relay



**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

**T11**

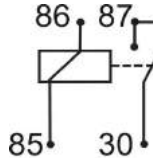
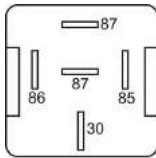
**C16**



**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

**T1**

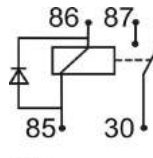
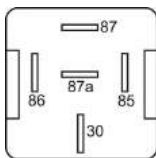
**C2**



**9 9171 1** 12V  
40A 2x87  
BMW  
Fiat  
Ford  
John Deere  
Nagares  
Nissan  
Opel  
Porsche  
PSA  
Renault  
Valeo  
34 51 154 228  
4320622, 4320629, 5882107  
9940353  
6165 402, 81DB 15K235 AA, 87DB 15K235 AA  
AL 20 859 7  
RLPS/5-12  
01506584-0  
90272354  
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5882107, 655117, 655504  
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**T2**

**C9**



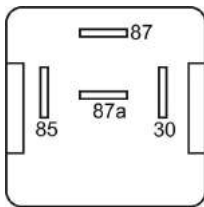
**9 9173 1** 24V  
10A

**T3**

**C6**



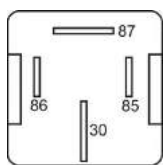
**9 9197 1** 70A + 30A  
Splitcharger Relay



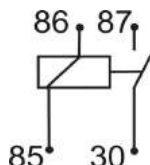
**9 9294 1** 12V  
21W  
Current Relay

# RELAIS SONDERANWENDUNG SPECIFIC APPLICATION

IKA-No. Technical Details References



**T8**



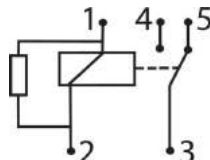
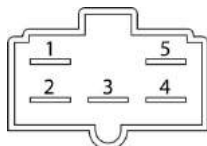
**C1**

9 9341 1

12V  
50A

Nagares  
Nissan  
Renault

RLE/4-12  
1506417  
7700781546, 7700810395, 7700810932

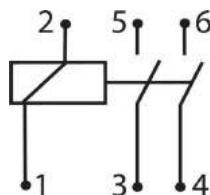
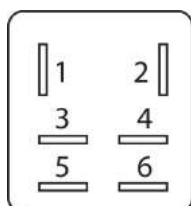


9 9355 1

12V  
40A  
Headlight Relay

Toyota

89520-1470

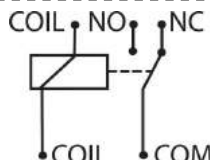
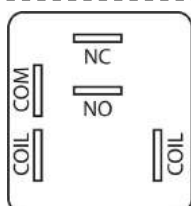


9 9356 1

12V  
50A  
Headlight Relay

GM

94118913

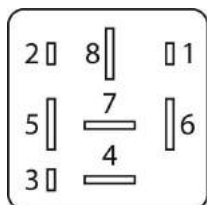


9 9359 1

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  
TLOD/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







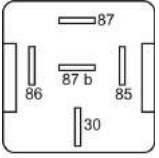
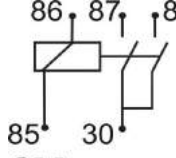



9 9432 1

12V

Porsche

911 615 108 01

# RELAIS SONDERANWENDUNG SPECIFIC APPLICATION









	IKA-No.	Technical Details	References
	<b>9 9433 1</b>	12V	Porsche 911 615 109 01
	<b>9 9470 1</b> <b>NEW</b>	12V 40A	Hella 4RA007791-15 Mercedes Benz 002 542 2319, 002 542 7619, A 002 542 23 19 A 002 542 76 19
	<b>9 9476 1</b> <b>NEW</b>	12V 30A	Nagares RDE/15-12 PSA 454935, 9627109680
 <div style="display: inline-block; vertical-align: middle; margin-left: 20px;">  <p><b>T11</b></p> </div> <div style="display: inline-block; vertical-align: middle; margin-left: 20px;">  <p><b>C11</b></p> </div>	<b>9 9488 1</b> <b>NEW</b>	24V	Nagares RDPS/5-24
	<b>9 9502 1</b> <b>NEW</b>	ABS Relais	Mercedes Benz 201 540 3745
	<b>9 9504 1</b> <b>NEW</b>	12V Wiper Relay	Nagares TLPS/6-12 PSA 9753498780
	<b>9 9514 1</b> <b>NEW</b>	ABS Relais	Mercedes Benz 000 540 6745

# STECKSOCKEL SOCKETS

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




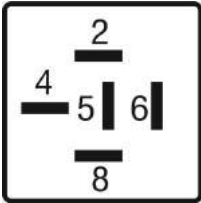
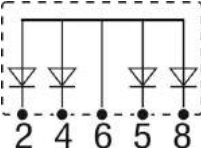

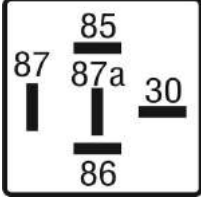
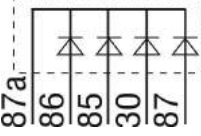

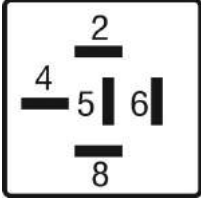
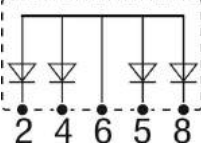

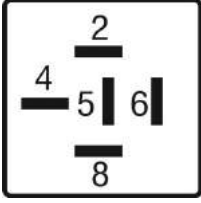
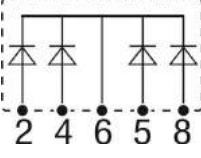

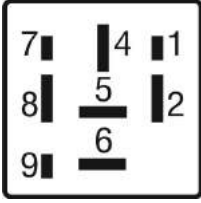
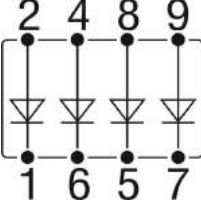

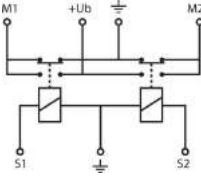

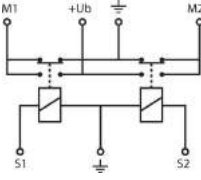

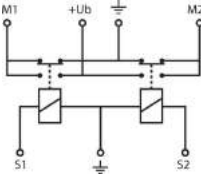
9 9330 1    Fuse Holder LED  
ATO-Fuse



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
	<b>9 9506 1</b> <b>NEW</b>	12V	Xenon HID Module
	<b>9 9513 1</b> <b>NEW</b>	12V	Xenon / LED Module
	<b>9 9221 1</b>	12V 1,2W Green	Indicator Light
	<b>9 9222 1</b>	12V 1,2W Green C2 White	Indicator Light
	<b>9 9223 1</b>	12V 1,2W Blue	Indicator Light
	<b>9 9224 1</b>	12V 1,2W Red	Indicator Light
	<b>9 9225 1</b>	12V 1,2W Orange	Indicator Light
	<b>9 9226 1</b>	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



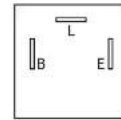
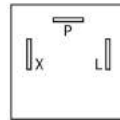
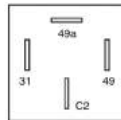
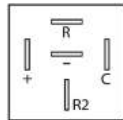
## Klemmbezeichnungen nach DIN 72 552 Terminal Descriptions according to DIN 72 552

Klemme Terminal		Klemme Terminal	
15	Geschaltetes Plus hinter Batterie (Ausgang Zündschalter) Switched positive pole after battery (Output of ignition switch)	56	Scheinwerfer Headlamp
15a	Ausgang am Vorwiderstand zur Zündspule und zum Starter Output at dropping resistor to ignition coil and starter	56a	Fernlicht High beam
30	Eingang von Batterie Plus (direkt) Input from + battery terminal (direct)	56b	Abblendlicht Low beam
30a	Batterieumschaltung 12/24V, Eingang von Batterie II Plus 12/24V battery switch, input from + terminal of battery II	56d	Lichthupenkontakt Headlamp-flasher contact
31	Rückleitung ab Batterie / Minus oder Masse (direkt) Return line to battery / battery terminal or ground (direct)	84	Relaiskontakt und Antrieb, Eingang Stromrelais Relay contact and actuator, input of current relay
31b	Rückleitung an Batterie oder Masse über Schalter Return line to negative battery terminal or ground via switch	84a	Ausgang Antrieb Stromrelais Output actuator of current relay
31a	Rückleitung an Batterie II minus Return line to - terminal of battery II	84b	Relaiskontakt Ausgang Stromrelais Relay contact, output of current relay
49	Blinkgeber Eingang Flasher input	85	Wicklungsende Relais Relay, output actuator, end of winding
49a	Blinkgeber Ausgang Flasher output	86	Wicklungsanfang Relais Relay, start of winding
49b	Blinkgeber Ausgang zweiter Blinkkreis Flasher Output, second turn-signal circuit	87	Relaiskontakt Eingang Relays contact input
49c	Blinkgeber Ausgang dritter Blinkkreis Flasher Output, third turn-signal circuit	87a	Relaiskontakt Ausgang Öffnerseite Relay, first output (brake side)
53	Wischermotor Eingang (+) Wiper motor input (+)	87b	Relaiskontakt 2, Ausgang Relay, second output
53a	Wischer (+) Endabstellung Wiper (+), self-parking switch-off	87c	Relaiskontakt 3, Ausgang Relay, third output
53b	Wischer Nebenschlusswicklung Wiper (shunt winding)	C	1. Kontrolllampe First indicator lamp
53c	Elektrische Scheibenspülerpumpe Electric windshield-washer pump	C0	Hauptanschluss für vom Blinker getrennte Kontrollkreise Main terminal connection for separate indicator circuits
53e	Wischer Bremswicklung Wiper (brake winding)	C2	2. Kontrolllampe Second indicator lamp
55	Nebelscheinwerfer Fog lamps	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		



# VERGLEICHSLISTE CROSS REFERENCE LIST

BMW	IKA	PAGE	BMW	IKA	PAGE	BOSCH	IKA	PAGE
1 243 565	9 9027 1	22	61311371909	9 9026 1	22	0 332 014 125	9 9005 1	10
1 244 314	9 9027 1	22	61311373156	9 9002 1	7	0 332 014 135	9 9309 1	10
1 244 377	9 9027 1	22	61311373585	9 9297 1	8	0 332 014 150	9 9005 1	10
1 244 377	9 9026 1	22	61311373588	9 9297 1	8	0 332 014 202	9 9065 1	13
1 244 392	9 9026 1	22	61311378211	9 9012 1	17	0 332 014 203	9 9065 1	13
1 244 392	9 9027 1	22	64116920365	9 9035 1	28	0 332 014 213	9 9065 1	13
1 360 877	9 9297 1	8	64116923204	9 9035 1	28	0 332 014 406	9 9005 1	10
1 361 496	9 9042 1	52	64116929486	9 9035 1	28	0 332 014 408	9 9069 1	11
1 365 113	9 9027 1	22	64116931680	9 9035 1	28	0 332 014 409	9 9297 1	8
1 365 113	9 9026 1	22	64118364173	9 9035 1	28	0 332 014 457	9 9302 1	8
1 366 727	9 9027 1	22	64118377579	9 9035 1	28	0 332 014 801	9 9005 1	10
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1 378 302	9 9008 1	11	7920100	9 9009 1	12	0 332 017 103	9 9048 1	2
1 388 533	9 9196 1	23	8383835	9 9035 1	28	0 332 017 300	9 9053 1	2
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1366727	9 9430 1	24	0 281 003 029	9 9455 1	37	0 332 019 151	9 9005 1	10
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# VERGLEICHSLISTE CROSS REFERENCE LIST

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# VERGLEICHSLISTE

## CROSS REFERENCE LIST

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# VERGLEICHSLISTE CROSS REFERENCE LIST

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# VERGLEICHSLISTE CROSS REFERENCE LIST

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# VERGLEICHSLISTE CROSS REFERENCE LIST

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# VERGLEICHSLISTE CROSS REFERENCE LIST

MERCEDES BENZ	IKA	PAGE	NAGARES	IKA	PAGE	NAGARES	IKA	PAGE
A 642 900 27 00	9 9512 1	37	ITGE/3-12	9 9430 1	24	RLAC/52-12	9 9083 1	16
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<b>NAGARES</b>	<b>IKA</b>	<b>PAGE</b>	RCS/8-12	9 9404 1	33	RLP/5-24	9 9065 1	13
BDL/7-12	9 9406 1	34	RDE/15-12	9 9476 1	51	RLP/5-24D	9 9066 1	13
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# VERGLEICHSLISTE CROSS REFERENCE LIST

NAGARES	IKA	PAGE	OPEL	IKA	PAGE	OPEL	IKA	PAGE
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# VERGLEICHSLISTE CROSS REFERENCE LIST

<b>PORSCHE</b>	<b>IKA</b>	<b>PAGE</b>	<b>PSA</b>	<b>IKA</b>	<b>PAGE</b>	<b>RENAULT</b>	<b>IKA</b>	<b>PAGE</b>
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<b>PSA</b>	<b>IKA</b>	<b>PAGE</b>	<b>RENAULT</b>	<b>IKA</b>	<b>PAGE</b>	<b>SAAB</b>	<b>IKA</b>	<b>PAGE</b>
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598140	9 9406 1	34	77 00 810 396	9 9309 1	10	3885055K00	9 9446 1	36
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# VERGLEICHSLISTE CROSS REFERENCE LIST

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<b>VALEO</b>	<b>IKA</b>	<b>PAGE</b>	1501833	9 9065 1	13	<b>VW</b>	<b>IKA</b>	<b>PAGE</b>
102180	9 9198 1	32	1501833	9 9008 1	11	038 907 281 B	9 9452 1	37
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1235013	9 9169 1	49	8158697	9 9191 1	26	191 937 503	9 9138 1	15
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1259615	9 9026 1	22	841177	9 9001 1	7	191 953 227 A	9 9026 1	22
1259615	9 9430 1	24	870 451	9 9009 1	12	191 953 277	9 9026 1	22
1259925	9 9002 1	7	872300	9 9004 1	9	191 955 531	9 9397 1	50
1259926	9 9004 1	9	946556	9 9042 1	52	191 959 263	9 9379 1	31

# VERGLEICHSLISTE

## CROSS REFERENCE LIST

VW	IKA	PAGE	VW	IKA	PAGE
1GD 919 506 C	9 9253 1	29	4E0 907 282 A	9 9455 1	37
1H0 919 506	9 9275 1	29	4H0 951 253 A	9 9305 1	8
1H0953227	9 9027 1	22	6Q0 959 263	9 9378 1	31
1J0 819 022 A	9 9376 1	31	6Q0 959 263 A	9 9378 1	31
1J0 906 381 A	9 9503 1	45	6Q1907521	9 9403 1	50
1J0 919 506 E	9 9339 1	29	6Q1907521A	9 9403 1	50
1J0 919 506 G	9 9264 1	29	6Q1907521B	9 9403 1	50
1J0 919 506 H	9 9212 1	28	701 919 506	9 9348 1	29
1J0 919 506 H	9 9339 1	29	701 919 506 A	9 9266 1	29
1J0 919 506 K	9 9210 1	28	701 959 263	9 9377 1	31
1J0 919 506 L	9 9340 1	29	7M0 951 253 A	9 9138 1	15
1J0 919 506 M	9 9033 1	28	7N0 951 253	9 9305 1	8
1J0 919 506 N	9 9213 1	28	803 953 183 B	9 9027 1	22
1K0 959 263 A	9 9380 1	31	857 951 253	9 9133 1	44
251 963 425	9 9042 1	52	893911261	9 9299 1	33
2D0 951 253	9 9012 1	17	8D0 951 253	9 9138 1	15
2E0937099	9 9301 1	9	8D0 951 253 A	9 9305 1	8
311 963 141 B	9 9001 1	7	8K0 941 597	9 9506 1	57
311906061C	9 9005 1	10	8K0 941 597 C	9 9506 1	57
321 911 261	9 9202 1	32	8K0 941 597 E	9 9506 1	57
321 911 261C	9 9202 1	32	8K0 951 253	9 9305 1	8
321 937 501	9 9042 1	52	8KO 951 253	9 9305 1	8
321 955 531 A	9 9397 1	50	IH0 953 227	9 9026 1	22
357 906 381 A	9 9503 1	45	KDWHL09678	9 9308 1	10
357 911 253	9 9413 1	34	KDWHLO9402	9 9297 1	8
357 911 253 A	9 9415 1	34			
357 919 506 A	9 9211 1	28			
3A0 919 506	9 9211 1	28			
411 941 583 B	9 9124 1	48			
431 455 531	9 9001 1	7			
431 951 253	9 9001 1	7			
431 951 253 D	9 9307 1	9			
431 951 253 H	9 9305 1	8			
431 953 231	9 9027 1	22			
431951253H	9 9002 1	7			
433 951 253 B	9 9011 1	15			
433 951 253 J	9 9011 1	15			
433 951 253 K	9 9011 1	15			
433 951 253 L	9 9011 1	15			
443 919 578C	9 9134 1	49			
443 951 254 A	9 9004 1	9			
443911261	9 9299 1	33			
443911261A	9 9299 1	33			
443951254A	9 9298 1	9			
4D0 951 253	9 9136 1	44			