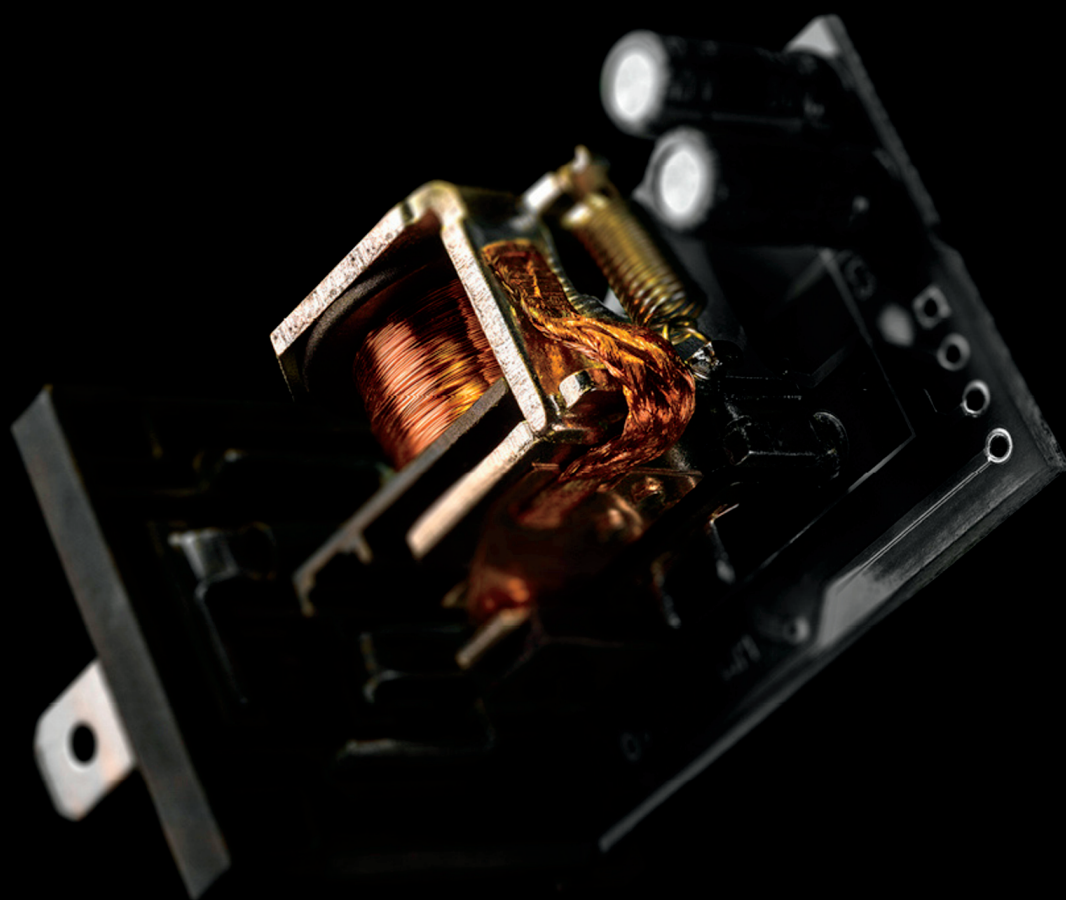
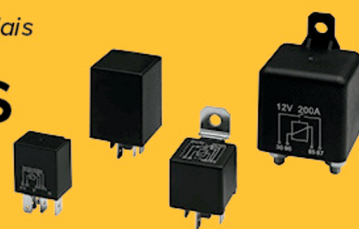


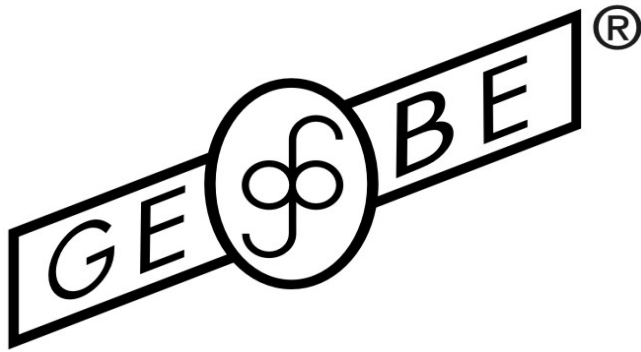
Elektrische Universalteile und Relais / *Pièces électriques universelles et relais*

Universal electrical parts and Relays 2024/25



Quality inside





AUSGABE
EDITION

2024/2025

Quality inside

Neue Teile
New parts
Nouveaux produits

=

NEW

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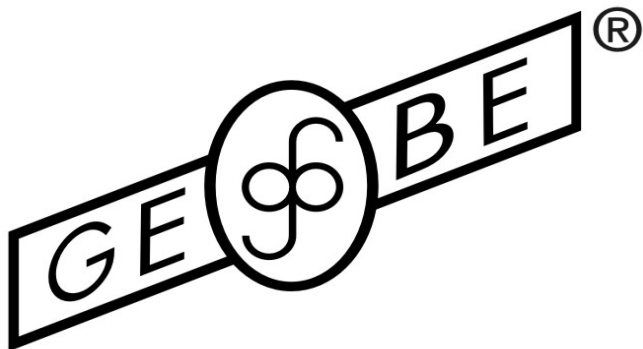
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6.

Universal electrical parts & relays 2024/25

Elektrische Universalteile & Relais / Pièces électriques universelles & relais

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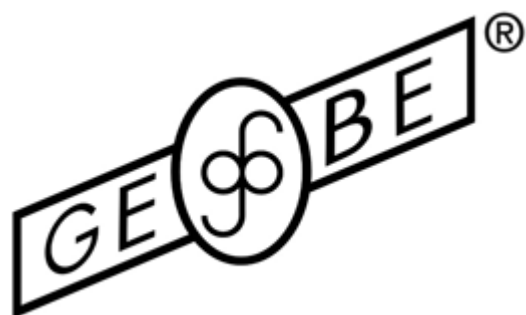


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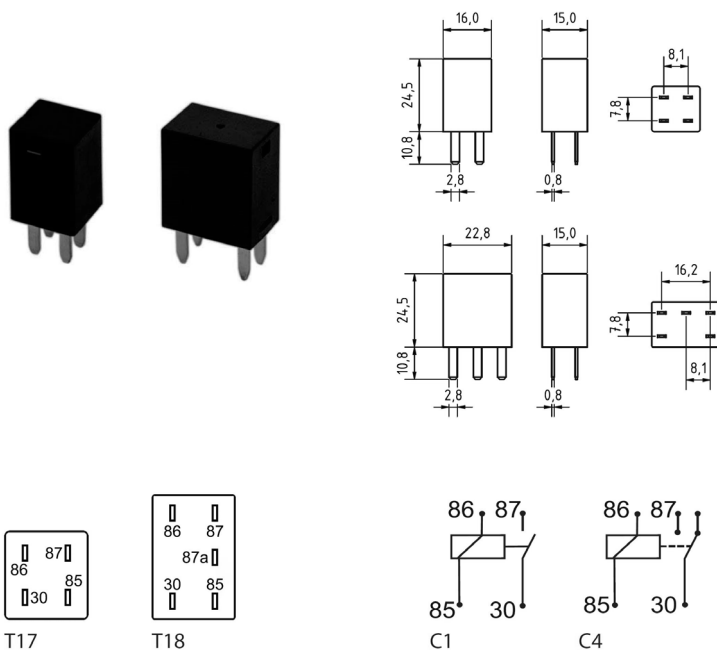
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UNIVERSAL ELECTRICAL PARTS AND RELAYS
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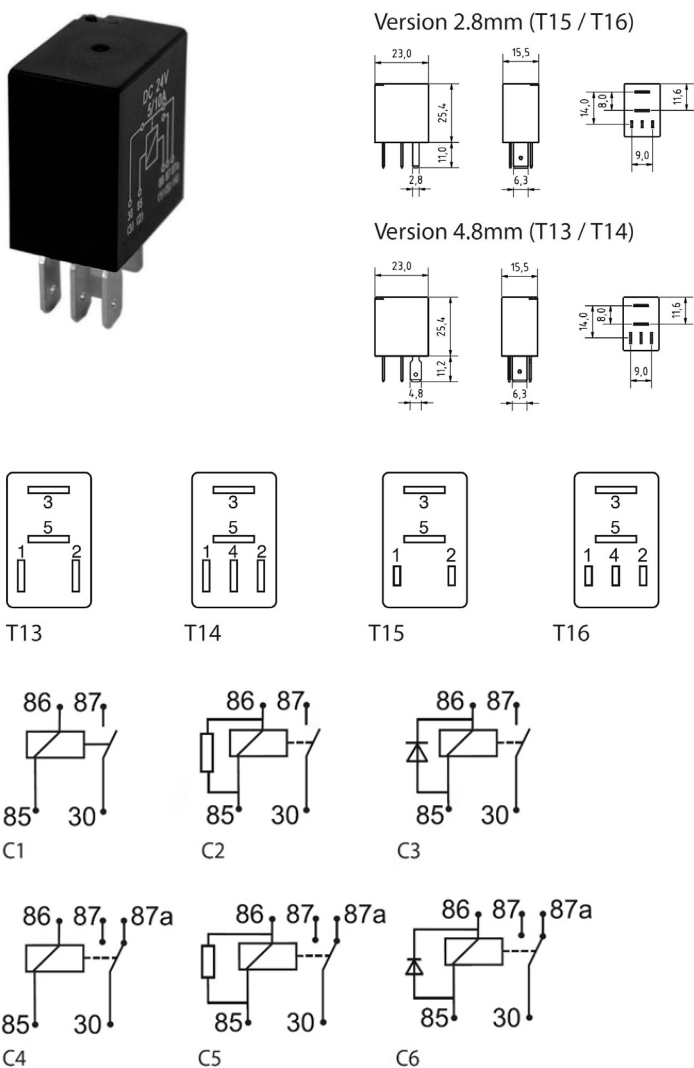
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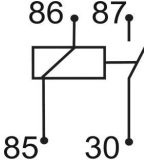
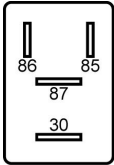
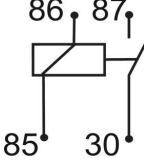
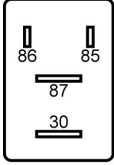
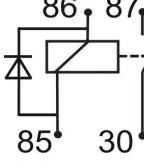
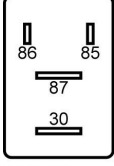
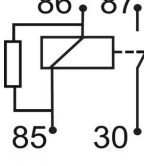
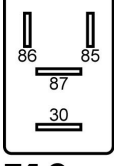
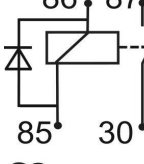
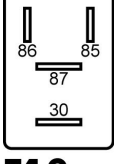
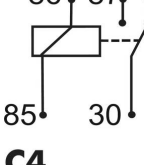
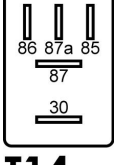
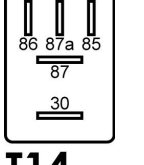
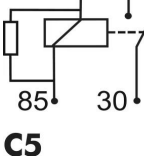
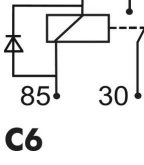
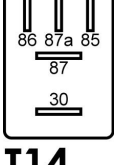
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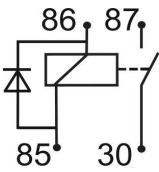
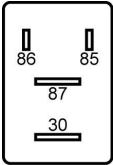
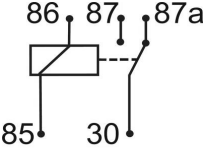
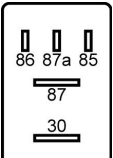
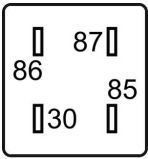
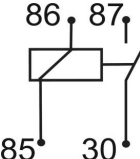
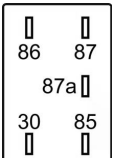
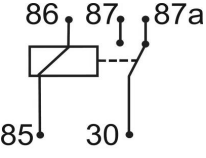
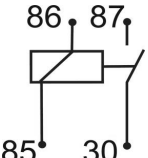
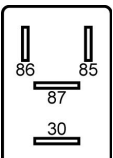
Micro Relays / Mikro Relais



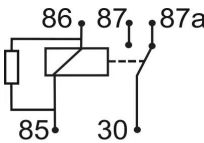
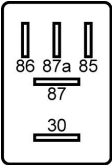
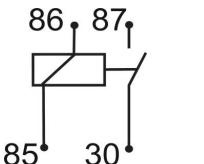
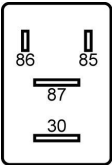
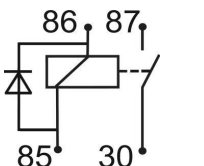
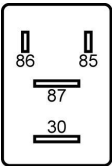
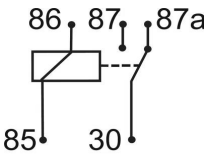
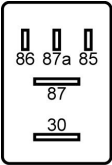
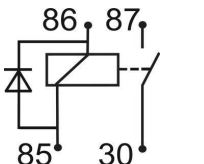
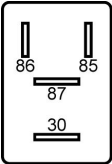
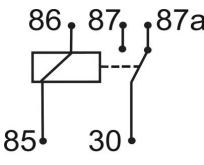
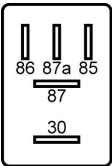
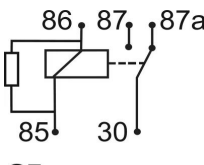
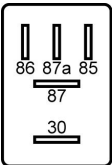
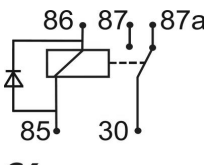
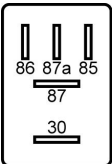
MIKRO / ULTRAMIKRO RELAIS MICRO / ULTRA MICRO RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 C1	 T13	9 9048 1	12V	25A	Normally Open Contact	
	 C1	 T15	9 9050 1	12V	25A	Normally Open Contact	2,8mm Version
	 C3	 T15	9 9051 1	12V	25A	Normally Open Contact with Diode	2,8mm Version
	 C2	 T13	9 9053 1	12V	25A	Normally Open Contact with resistor	23mm wide
	 C3	 T13	9 9054 1	12V	25A	Normally Open Contact with Diode	Sealed
	 C4	 T14	9 9055 1	12V	15/25A	Changeover Contact	Sealed
	 T14	 C5	9 9056 1	12V	15/25A	Changeover Contact with resistor	
	 C6	 T14	9 9057 1	12V	15/25A	Changeover Contact with Diode	Sealed

MIKRO / ULTRAMIKRO RELAIS MICRO / ULTRA MICRO RELAYS

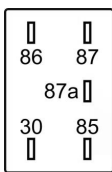
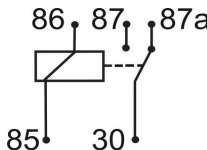
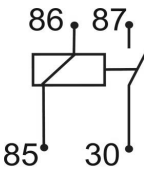
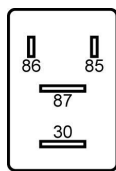
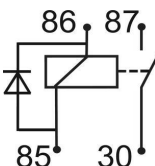
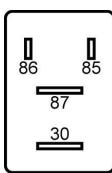
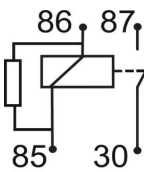
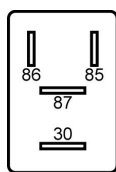
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
 C3	 T15		9 9058 1	12V	25A	Normally Open Contact with Diode	2,8mm Version Sealed
	 C4	 T16	9 9320 1	12V	15/25A	Changeover Contact	2,8mm Version
	 T17	 C1	9 9364 1	12V	20A	Normally Open Contact	22mm wide
	 T18	 C4	9 9365 1	12V	20/30A	Changeover Contact	22mm wide
			9 9546 1 NEW	12V			normally Open resistor
			9 9634 1 NEW	12V	30A	Changeover Contact with resistor	
	 C1	 T13	9 9059 1	24V	15A	Normally Open Contact	23mm wide
			9 9120 1 NEW	24V	15/25A		

MIKRO / ULTRAMIKRO RELAIS MICRO / ULTRA MICRO RELAYS

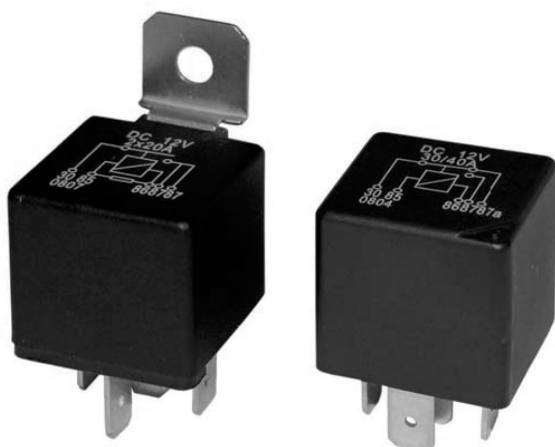
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C5		T14					
			9 9286 1	24V	15A	Normally Open Contact	2,8mm Version
C1		T15					
			9 9287 1	24V	15A	Normally Open Contact with Diode	2,8mm Version
C3		T15					
			9 9288 1	24V	10/15A	Changeover Contact	2,8mm Version
C4		T16					
			9 9289 1	24V	10A	Normally Open Contact with Diode	Sealed
C3		T13					
			9 9290 1	24V	10/15A	Changeover Contact	Sealed
C4		T14					
			9 9291 1	24V	10/15A	Changeover Contact with resistor	Sealed
C5		T14					
			9 9292 1	24V	10/15A	Changeover Contact with Diode	Sealed
C6		T14					

MIKRO / ULTRAMIKRO RELAIS

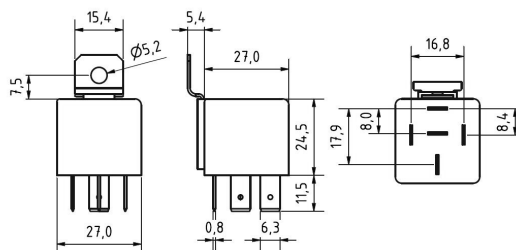
MICRO / ULTRA MICRO RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9384 1	24V	10/20A	Changeover Contact	22,8mm wide
T18	C4						
			9 9412 1	24V	15A	Normally Open Contact	2,8mm Version Sealed
C1	T15						
			9 9422 1	24V	15A	Normally Open Contact with Diode	2,8mm Version Sealed
C3	T15						
			9 9425 1	24V	10A	Normally Open Contact with resistor	23mm wide
C2	T13						

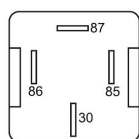
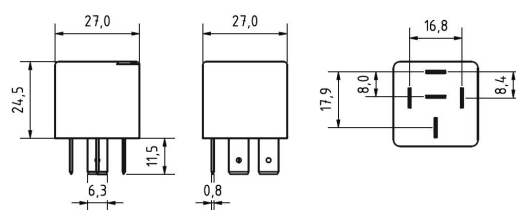
Mini Relays / Mini Relais



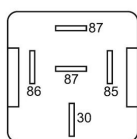
Mit Lasche / With Bracket



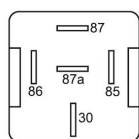
Ohne Lasche / Without Bracket



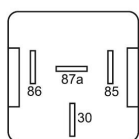
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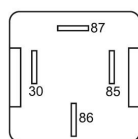
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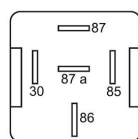
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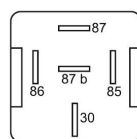
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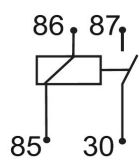
T9



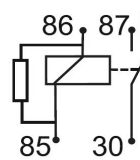
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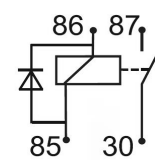
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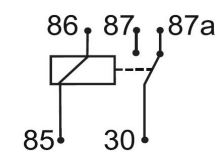
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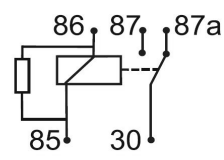
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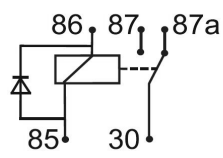
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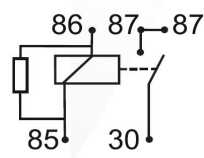
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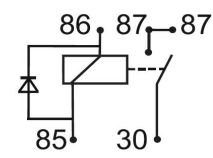
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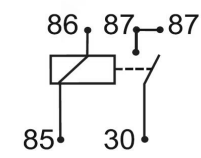
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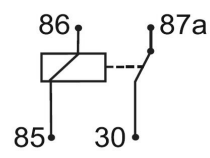
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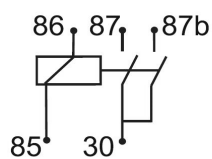
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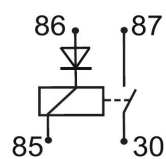
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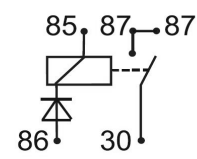
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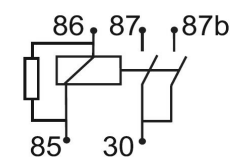
C11



C14



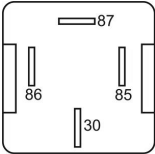
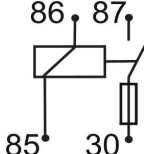
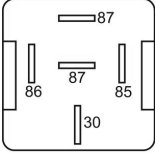
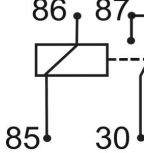
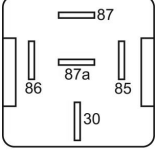
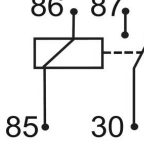
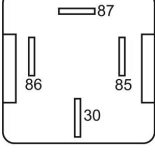
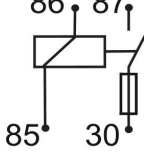
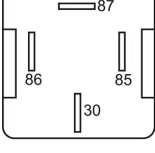
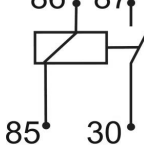
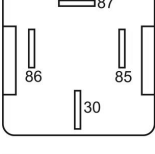
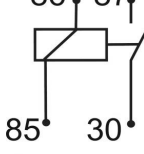
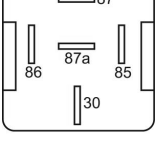
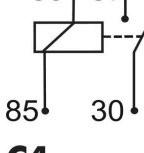
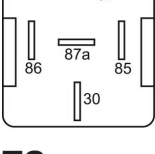
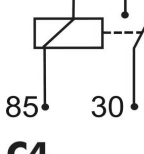
C15



C16

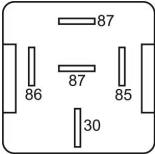
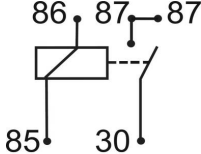
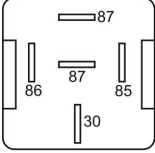
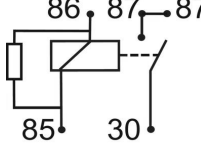
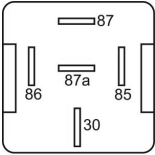
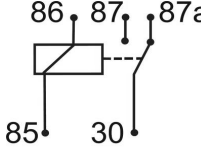
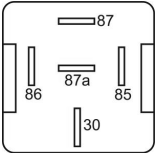
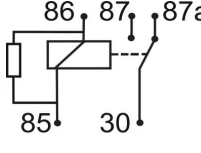
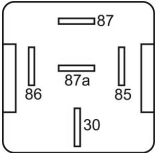
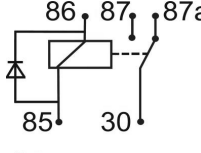
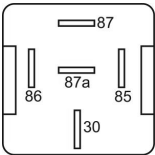
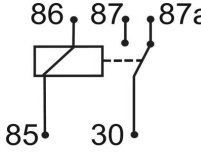
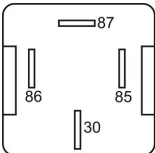
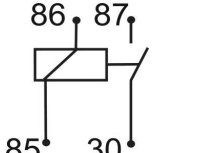
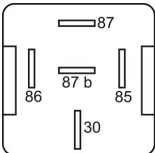
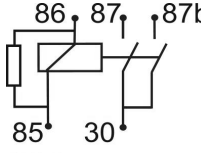
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T1	 C12	9 9010 1	6V	15A	Normally Open Contact	with Bracket
	 T2	 C9	9 9078 1	6V	40A 2x87	Normally Open Contact	with Bracket
	 T3	 C4	9 9112 1	6V	30/40A	Changeover Contact	with Bracket
	 T1	 C12	9 9000 1	12V	15A	Normally Open Contact	with ATO fuse with Bracket
015 024 	 T1	 C1	9 9001 1	12V	30A	Normally Open Contact	with Bracket
204 	 T1	 C1	9 9002 1	12V	40A	Normally Open Contact	with Bracket
	 T3	 C4	9 9003 1	12V	30/40A	Changeover Contact	without Bracket
207 	 T3	 C4	9 9004 1	12V	30/40A	Changeover Contact	with Bracket

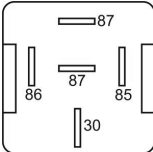
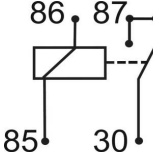
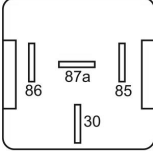
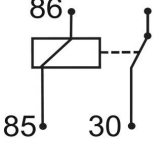
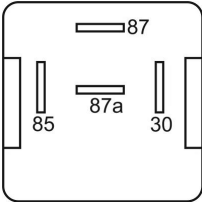
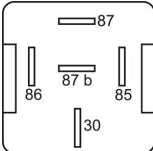
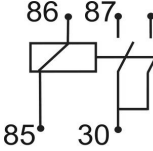
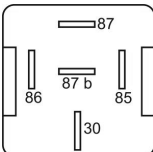
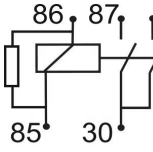
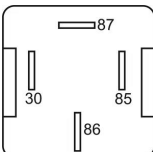
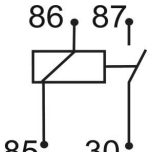
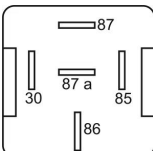
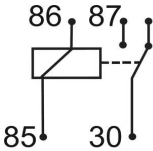
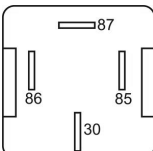
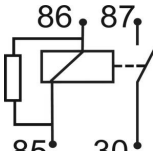
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9005 1	12V	40A 2x87	Normally Open Contact	with Bracket
			9 9006 1	12V	40A 2x87	Normally Open Contact with resistor	with Bracket
			9 9060 1	12V	30/40A	Changeover Contact	without Bracket Sealed
			9 9061 1	12V	30/40A	Changeover Contact with resistor	without Bracket Sealed
			9 9062 1	12V	30/40A	Changeover Contact with Diode	without Bracket Sealed
			9 9111 1	12V	20A		
			9 9157 1	12V	40A	Normally Open Contact	without Bracket
			9 9169 1	12V	2x20A		

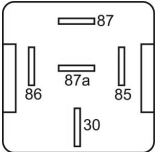
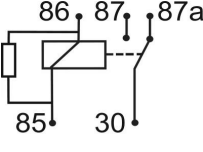
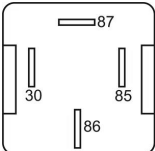
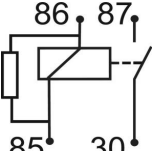
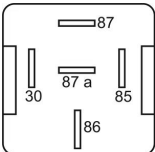
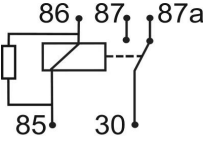
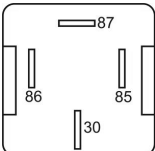
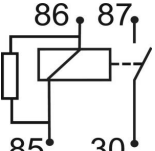
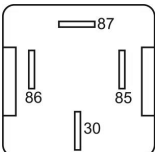
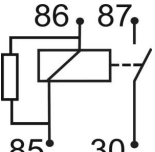
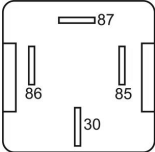
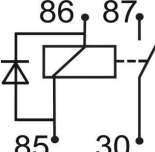
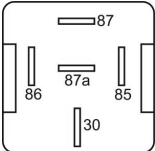
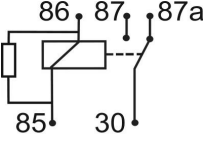
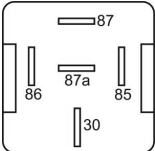
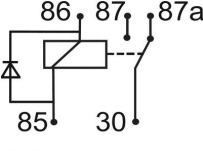
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9171 1	12V	40A 2x87	Normally Open Contact	
			9 9293 1	12V	20A	Normally Closed Contact	with Bracket
			9 9294 1	12V	21W		Current Relay
			9 9295 1	12V	2x25A	Normally Open Contact	with Bracket
			9 9296 1	12V	2x25A	Normally Open Contact with resistor	with Bracket
			9 9297 1	12V	30A	Normally Open Contact	Swapped Pins 30 & 86 with Bracket
			9 9298 1	12V	20/30A	Changeover Contact	Swapped Pins 30 & 86 with Bracket
			9 9300 1	12V	30A	Normally Open Contact with resistor	without Bracket Sealed

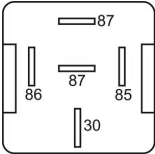
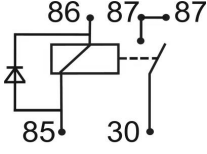
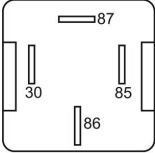
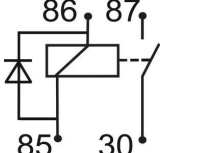
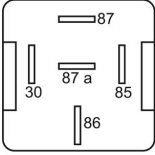
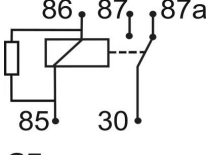
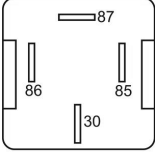
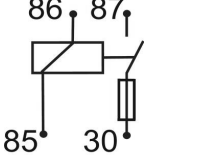
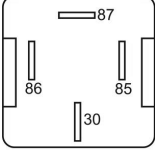
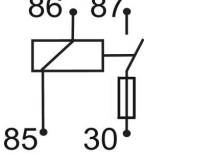
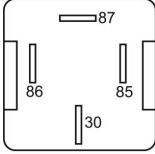
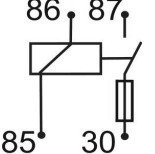
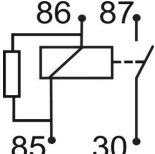
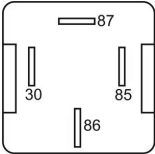
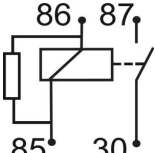
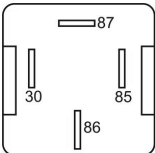
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9301 1	12V	20/30A	Changeover Contact with resistor	without Bracket Sealed
			9 9302 1	12V	30A	Normally Open Contact with resistor	Swapped Pins 30 & 86 without Bracket Sealed
			9 9303 1	12V	20/30A	Changeover Contact with resistor	Swapped Pins 30 & 86 without Bracket Sealed
			9 9304 1	12V	40A	Normally Open Contact with resistor	without Bracket
053 373 208 643 			9 9305 1	12V	40A	Normally Open Contact with resistor	with Bracket
			9 9306 1	12V	40A	Normally Open Contact with Diode	with Bracket
079 205 			9 9307 1	12V	30/40A	Changeover Contact with resistor	with Bracket
			9 9308 1	12V	30/40A	Changeover Contact with Diode	with Bracket

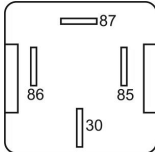
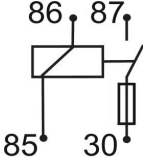
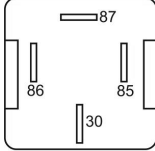
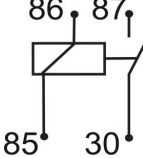
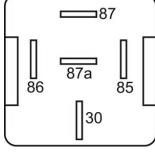
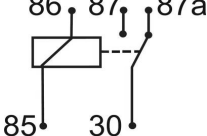
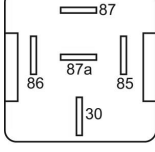
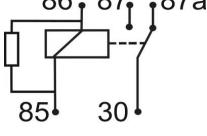
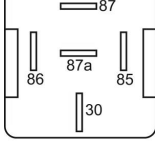
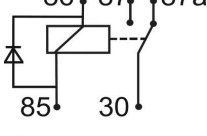
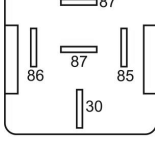
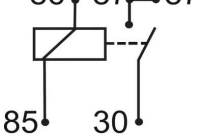
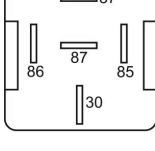
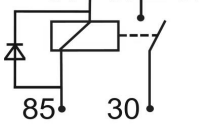
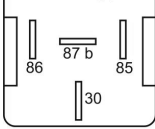
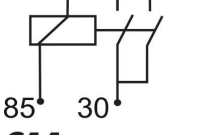
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
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			9 9310 1	12V	40A	Normally Open Contact with Diode	Swapped Pins 30 & 86 with Bracket
			9 9314 1	12V	30/40A	Changeover Contact with resistor	Swapped Pins 30 & 86 with Bracket
			9 9482 1	12V	30A	Normally Open Contact	with ATO fuse with Bracket
			9 9510 1	12V	20A	Normally Open Contact	with ATO fuse with Bracket
			9 9583 1 NEW	12V	20A	Normally Open Contact	with ATO fuse with Bracket
			9 9627 1 NEW	12V	40A	Normally Open Contact	with Bracket
			9 9631 1 NEW	12V	40		

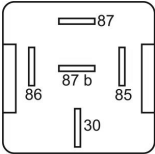
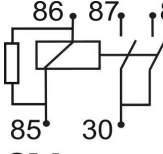
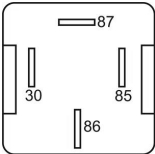
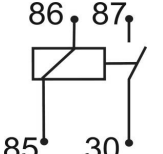
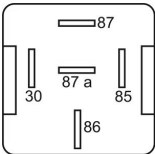
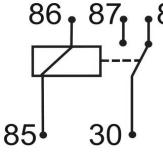
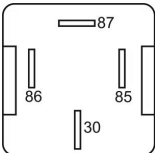
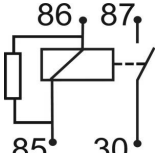
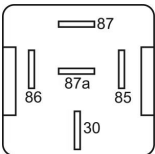
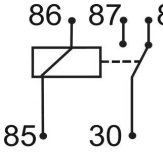
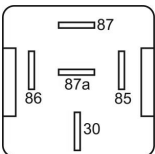
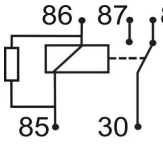
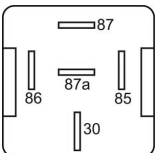
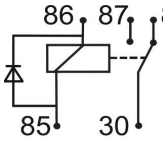
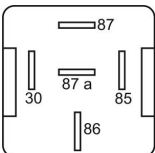
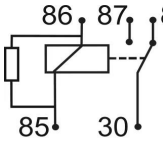
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T1	 C12	9 9007 1	24V	15A	Normally Open Contact	with ATO fuse with Bracket
	 T1	 C1	9 9008 1	24V	20A	Normally Open Contact	with Bracket
	 T3	 C4	9 9009 1	24V	10/20A	Changeover Contact	with Bracket
	 T3	 C5	9 9063 1	24V	10/20A	Changeover Contact with resistor	with Bracket
	 T3	 C6	9 9064 1	24V	10/20A	Changeover Contact with Diode	with Bracket
	 T2	 C9	9 9065 1	24V	20A 2x87	Normally Open Contact	with Bracket
	 T2	 C8	9 9066 1	24V	20A 2x87	Normally Open Contact with Diode	with Bracket
 T11	 C11		9 9067 1 NEW	24V	2x15A	Normally Open Contact	with Bracket

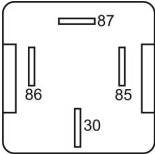
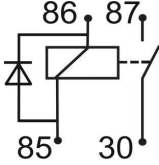
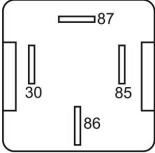
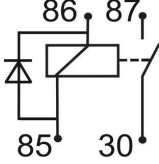
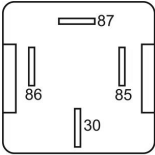
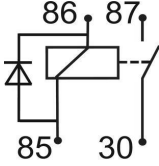
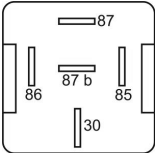
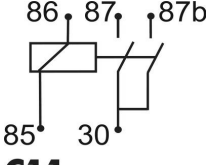
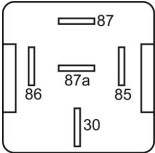
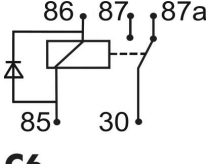
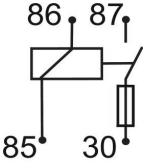
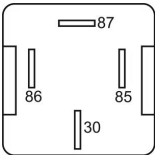
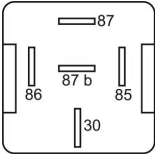
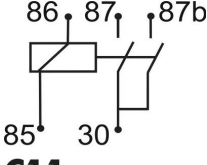
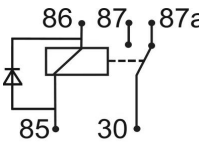
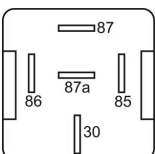
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9068 1	24V	2x15A	Normally Open Contact with resistor	with Bracket
			9 9069 1	24V	20A	Normally Open Contact	Swapped Pins 30 & 86 with Bracket
			9 9070 1	24V	10/20A	Changeover Contact	Swapped Pins 30 & 86 with Bracket
			9 9071 1	24V	20A	Normally Open Contact with resistor	without Bracket Sealed
			9 9072 1	24V	10/20A	Changeover Contact	without Bracket Sealed
			9 9073 1	24V	10/20A	Changeover Contact with resistor	without Bracket Sealed
			9 9074 1	24V	10/20A	Changeover Contact with Diode	without Bracket Sealed
			9 9075 1	24V	10/20A	Changeover Contact with resistor	Swapped Pins 30 & 86 without Bracket Sealed

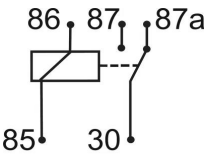
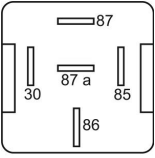
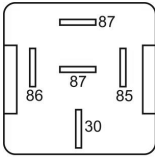
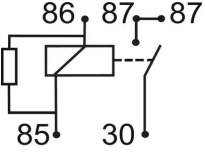
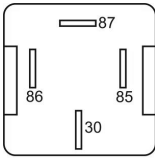
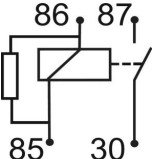
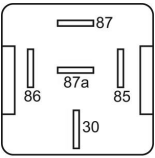
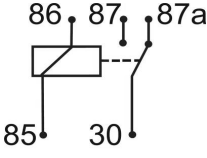
MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T1	 C3	9 9076 1	24V	30A	Normally Open Contact with Diode	with Bracket
	 T9	 C3	9 9077 1	24V	30A	Normally Open Contact with Diode	Swapped Pins 30 & 86 with Bracket
	 T1	 C3	9 9105 1	24V	20A	Normally Open Contact with Diode	with Bracket
	 T11	 C11	9 9172 1	24V	2x10A		
	 T3	 C6	9 9173 1	24V	10A		
 C12	 T1		9 9483 1	24V	20A	Normally Open Contact with fuse with retaining strap	with fuse with retaining strap
	 T11	 C11	9 9488 1	24V	2x10A	Normally Open Contact	
 C6	 T3		9 9521 1	24V	22A	with Diode	

MINI RELAIS

MINI RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
 C4	 T10		9 9530 1 NEW	24V	22A		with Bracket
 T2	 C7		9 9636 1 NEW	24V	20A 2x87	Normally Open Contact with resistor	with Bracket
 T1	 C2		9 9637 1 NEW	24V	20A	with resistor	with Bracket
 T3	 T3	 C4	9 9079 1	48V	5/10A	Changeover Contact	with Bracket

HD Relays / Hochleistungsrelais



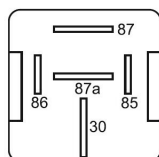
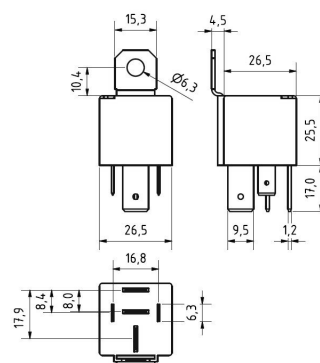
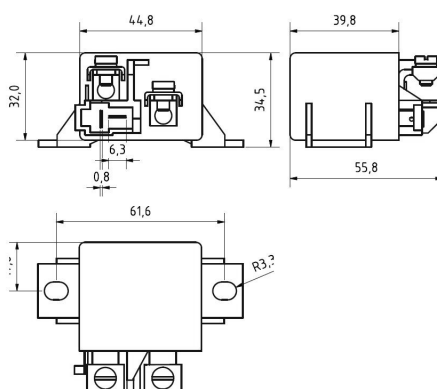
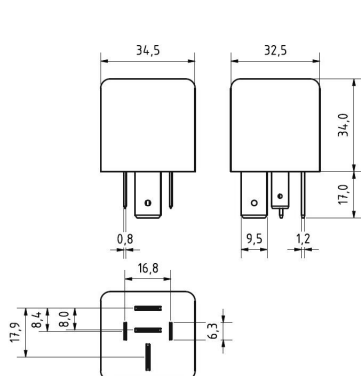
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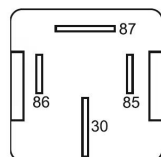
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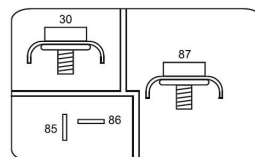
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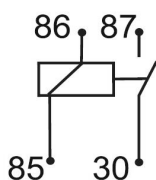
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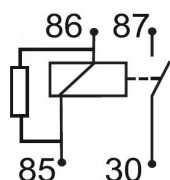
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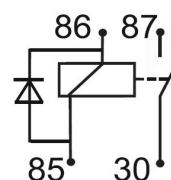
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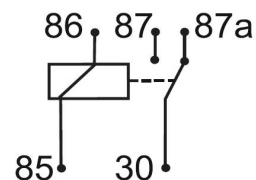
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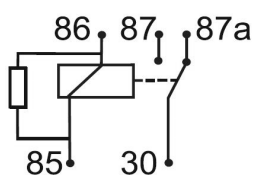
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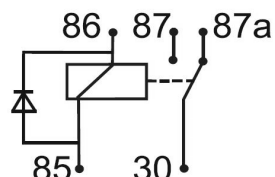
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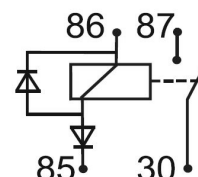
C4



C5



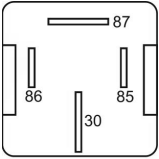
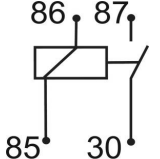
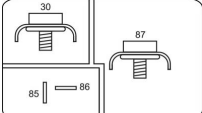
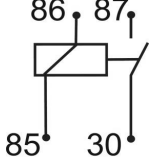
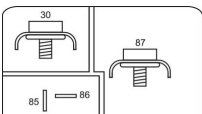
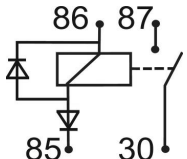
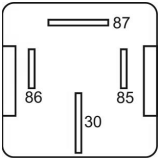
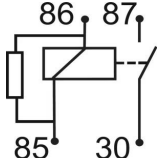
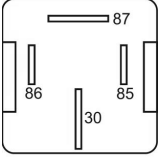
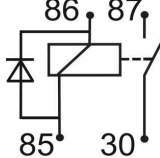
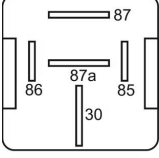
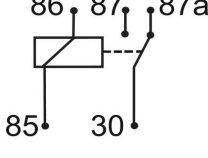
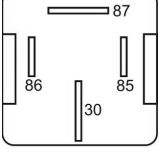
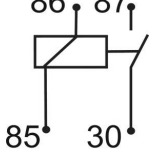
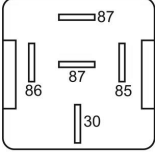
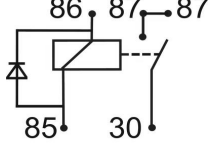
C6



C17

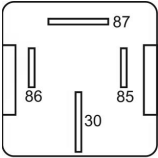
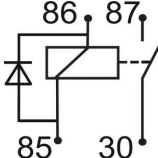
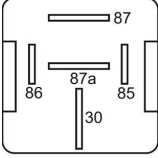
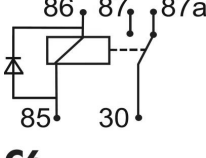
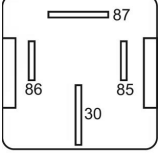
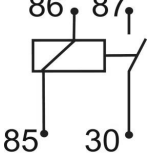
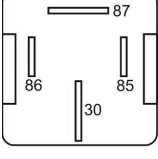
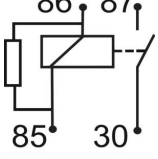
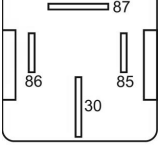
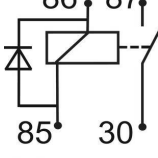
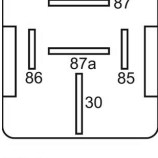
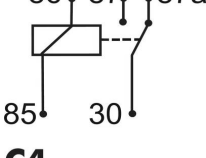
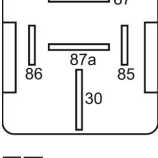
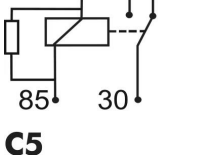
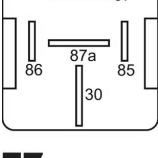
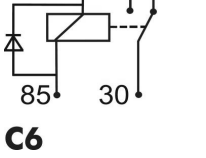
HOCHLEISTUNGSRELAIS

HD RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T8	 C1	9 9011 1	12V	70A	Normally Open Contact	with Bracket
	 T19	 C1	9 9012 1	12V	75A	Normally Open Contact	Screwed Connection with Bracket
	 T19	 C17	9 9013 1	12V	75A	Normally Open Contact with Diode	Screwed Connection with Bracket
	 T8	 C2	9 9080 1	12V	70A	Normally Open Contact with resistor	with Bracket
	 T8	 C3	9 9082 1	12V	70A	Normally Open Contact with Diode	with Bracket
	 T7	 C4	9 9083 1	12V	60/70A	Changeover Contact	with Bracket
	 T8	 C1	9 9084 1	12V	70A	Normally Open Contact	without Bracket Sealed
 018 100 213 644 370	 T2	 C8	9 9085 1	12V	70A	Normally Open Contact with resistor	without Bracket Sealed

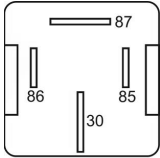
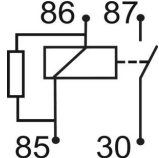
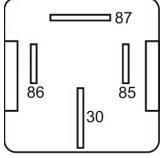
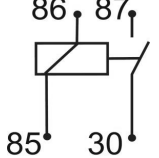
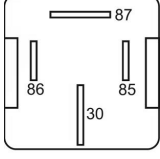
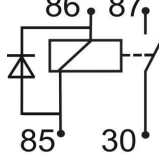
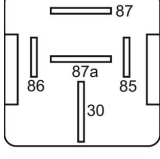
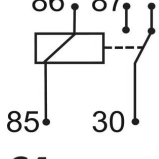
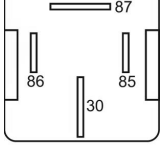
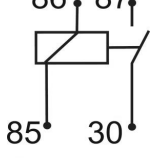
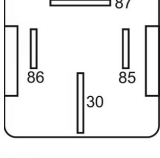
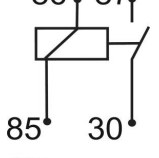
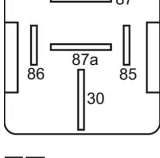
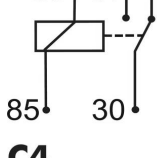
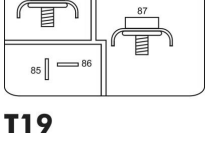
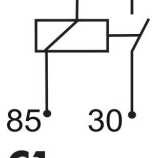
HOCHLEISTUNGSRELAIS

HD RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T8	 C3	9 9086 1	12V	70A	Normally Open Contact with Diode	without Bracket Sealed
	 T7	 C6	9 9087 1	12V	60/70A	Changeover Contact with Diode	without Bracket Sealed
	 T8	 C1	9 9088 1	12V	100A	Normally Open Contact	without Bracket Sealed
	 T8	 C2	9 9089 1	12V	100A	Normally Open Contact with resistor	without Bracket Sealed
	 T8	 C3	9 9090 1	12V	100A	Normally Open Contact with Diode	without Bracket Sealed
	 T7	 C4	9 9091 1	12V	80/100A	Changeover Contact	without Bracket Sealed
	 T7	 C5	9 9092 1	12V	80/100A	Changeover Contact with resistor	without Bracket Sealed
	 T7	 C6	9 9093 1	12V	80/100A	Changeover Contact with Diode	without Bracket Sealed

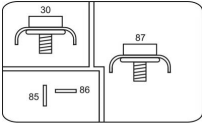
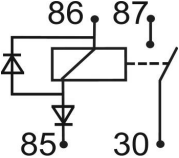
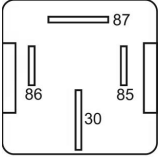
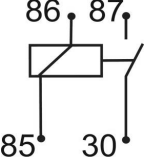
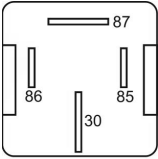
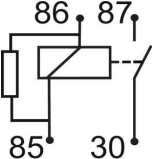
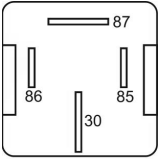
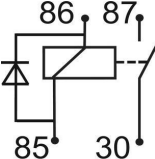
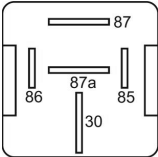
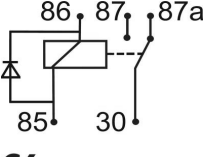
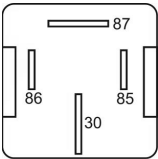
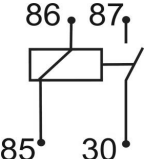
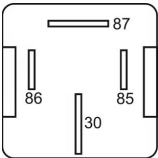
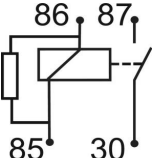
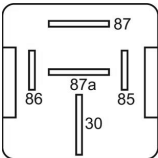
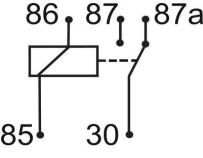
HOCHLEISTUNGSRELAIS

HD RELAYS

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T8	 C2	9 9138 1	12V	70A	Normally Open Contact with resistor	without Bracket
	 T8	 C1	9 9175 1	12V	70A	Normally Open Contact	with Bracket
	 T8	 C3	9 9420 1	12V	70A	Normally Open Contact with Diode	without Bracket
	 T7	 C4	9 9469 1	12V	60/70A	Changeover Contact	without Bracket Sealed
	 T8	 C1	9 9014 1	24V	70A	Normally Open Contact	with Bracket
	 T8	 C1	9 9094 1	24V	40A	Normally Open Contact	with Bracket
	 T7	 C4	9 9095 1	24V	30/40A	Changeover Contact	with Bracket
	 T19	 C1	9 9096 1	24V	50A	Normally Open Contact	Screwed Connection with Bracket

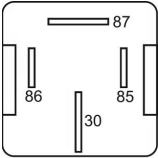
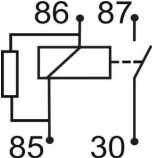
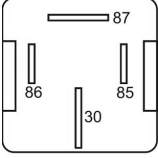
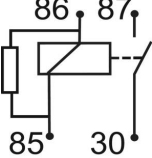
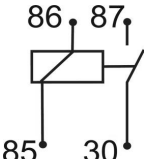
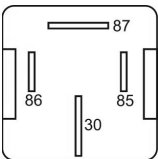
HOCHLEISTUNGSRELAIS

HD RELAYS

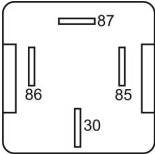
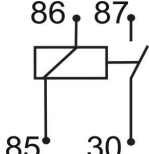
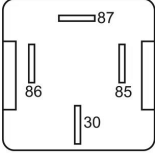
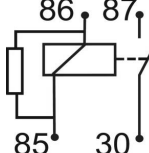
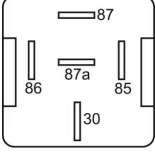
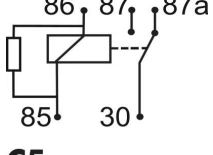
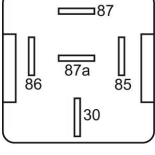
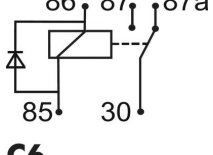
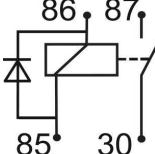
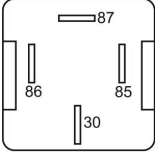
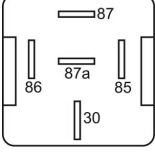
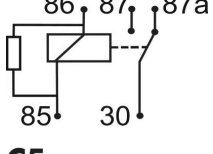
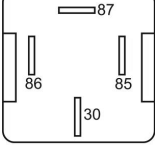
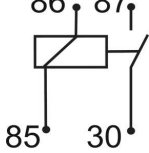
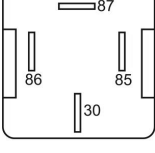
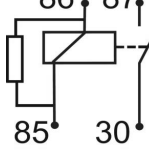
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9097 1	24V	50A	Normally Open Contact with Diode	Screwed Connection with Bracket
T19		C17					
			9 9098 1	24V	40A	Normally Open Contact	without Bracket Sealed
T8		C1					
			9 9099 1	24V	40A	Normally Open Contact with resistor	without Bracket Sealed
T8		C2					
			9 9100 1	24V	40A	Normally Open Contact with Diode	without Bracket Sealed
T8		C3					
			9 9101 1	24V	30/40A	Changeover Contact with Diode	without Bracket Sealed
T7		C6					
			9 9102 1	24V	50A	Normally Open Contact	without Bracket Sealed
T8		C1					
			9 9103 1	24V	50A	Normally Open Contact with resistor	without Bracket Sealed
T8		C2					
			9 9104 1	24V	40/50A	Changeover Contact	without Bracket Sealed
T7		C4					

HOCHLEISTUNGSRELAIS

HD RELAYS

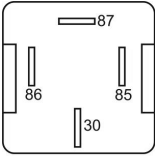
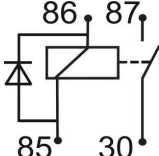
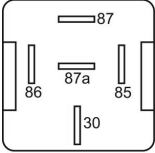
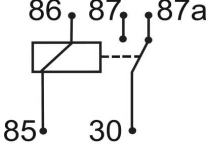
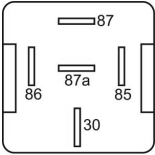
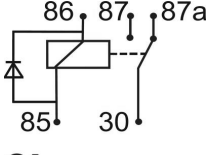
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T8	 C2	9 9312 1	24V	70A	Normally Open Contact with resistor	without Bracket
	 T8	 C2	9 9313 1	24V	70A	Normally Open Contact with resistor	with Bracket
 C1	 T8		9 9800 1 NEW	24V	70A		

RELAIS MIT SCHÜRZE RELAYS WITH SKIRT

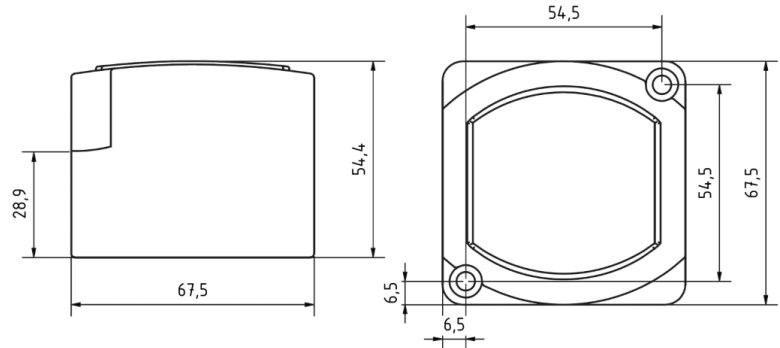
			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
	 T1	 C1	9 9315 1	12V	40A	Normally Open Contact	with Skirt with Bracket
	 T1	 C2	9 9353 1	12V	40A	Normally Open Contact with resistor	with Skirt with Bracket
	 T3	 C5	9 9489 1	12V	30/40A	Changeover Contact with resistor	with Skirt with Bracket
	 T3	 C6	9 9490 1	12V	30/40A	Changeover Contact with Diode	with Skirt with Bracket
 C3	 T1		9 9645 1 NEW	12V	40A		with skirt
	 T3	 C5	9 9140 1	24V	10/20A	Changeover Contact with resistor	with Skirt with Bracket
	 T1	 C1	9 9316 1	24V	20A	Normally Open Contact	with Skirt with Bracket
	 T1	 C2	9 9317 1	24V	20A	Normally Open Contact with resistor	with Skirt with Bracket

RELAIS MIT SCHÜRZE

RELAYS WITH SKIRT

			IKA-No.	Nominal Voltage	Nominal Current	Function	Details
			9 9318 1	24V	20A	Normally Open Contact with Diode	with Skirt with Bracket
			9 9319 1	24V	10/20A	Changeover Contact	with Skirt with Bracket
			9 9389 1	24V	10/20A	Changeover Contact with Diode	with Skirt with Bracket

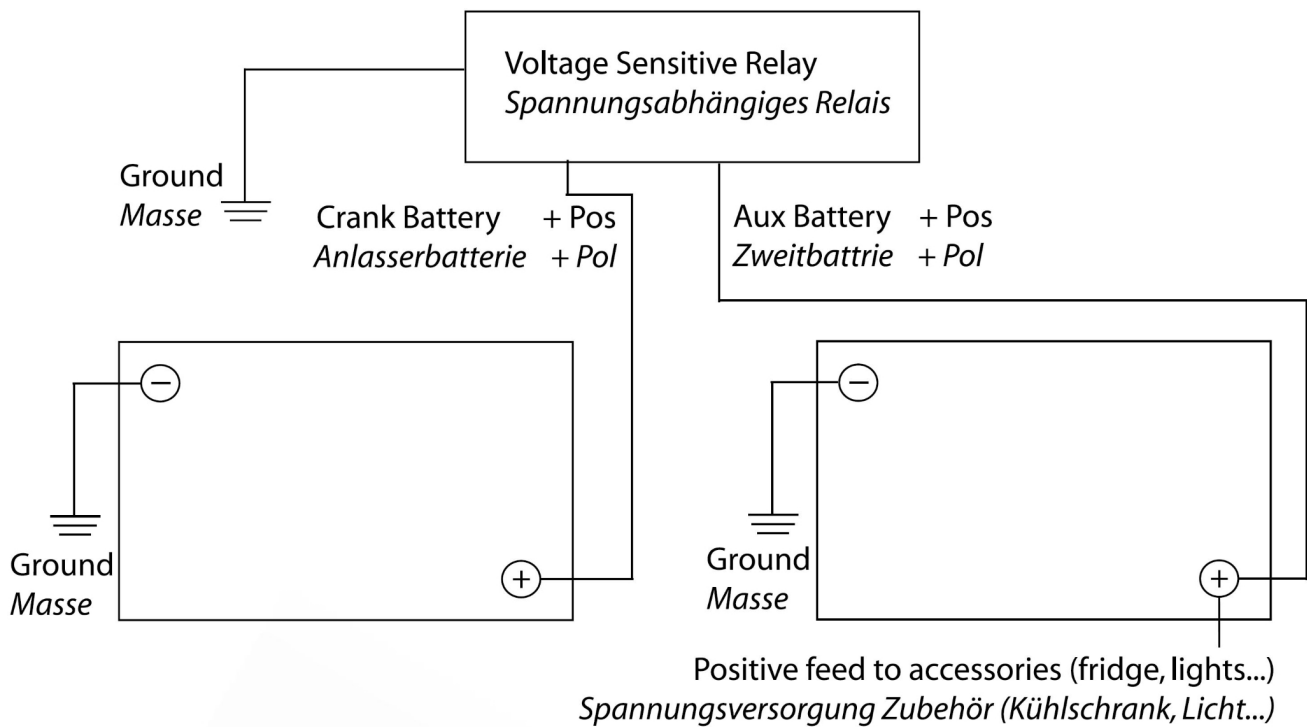
Intelligentes Batterietrennrelais / Voltage Sensitive Battery Relay



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 9109 1	12V	80A	12,8V - 11,0V	Single Battery
	9 9321 1	12V	140A	13,7V - 12,8V	Dual Battery
	9 9540 1 NEW	12V	160A	13,3V - 12,65V	Dual Battery
	9 9024 1	24V	140A	26,6V - 25,6V	Dual Battery
	9 9117 1	24V	140A	25,6V - 22,0V	Single Battery
	9 9118 1	24V	140A	27,4V - 25,6V	Dual Battery

BATTERIEMANAGEMENT

BATTERY MANAGEMENT

	IKA-No.	Technical Details	References	Battery Switch
	9 9230 1		100/500A with Key	On/Off Switch
	9 9325 1		75/300A	On/Off Switch
	9 9335 1		300/1000A 1x On-Off	On/Off Switch
	9 9336 1		250/2500A 2x On-Off	On/Off Switch
	9 9395 1		250/2500A 3x On-Off	On/Off Switch
	9 9015 1	12V	200/800A	Normally Open Contact
	9 9016 1	12V	100/180A	Normally Open Contact
	9 9017 1	12V	100/400A	Normally Open Contact

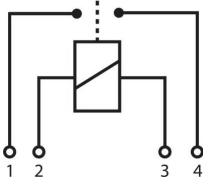
BATTERIEMANAGEMENT

BATTERY MANAGEMENT

	IKA-No.	Technical Details	References	Screwed Connection
	9 9019 1	12V	120/180A	Normally Open Contact
	9 9108 1	12V	150/800A	Normally Open Contact
	9 9110 1	12V	100/180A	Normally Open Contact with Diode
	9 9113 1	12V	200/800A	Normally Open Contact
	9 9114 1	12V	200/300A	Normally Open Contact
	9 9115 1	12V	85A	Normally Open Contact
	9 9116 1	12V	500/2500A	Normally Open Contact
	9 9499 1	12V	200A	Normally Open Contact

BATTERIEMANAGEMENT

BATTERY MANAGEMENT

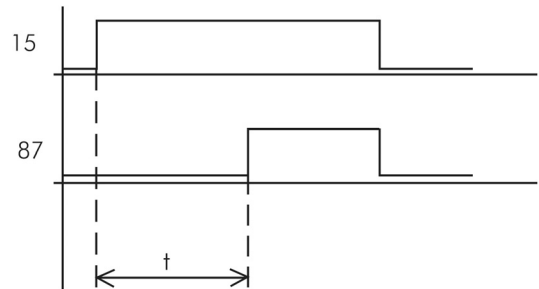
	IKA-No.	Technical Details	References	Screwed Connection
	9 9500 1	12V	100/180A	Normally Open Contact
	9 9022 1	24V	60/80A	Normally Open Contact
	9 9023 1	24V	100/150A	Normally Open Contact
	9 9119 1	24V	150/200A	Normally Open Contact
	9 9121 1	24V	150/800A	Normally Open Contact
	9 9481 1	24V	80A	Normally Open Contact
	9 9531 1 NEW	24V	100A	

Zeit- und Funktionsrelais / Timer Relays

Anzugsverzögert - Standard-Variante Delay On - Standard Type

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

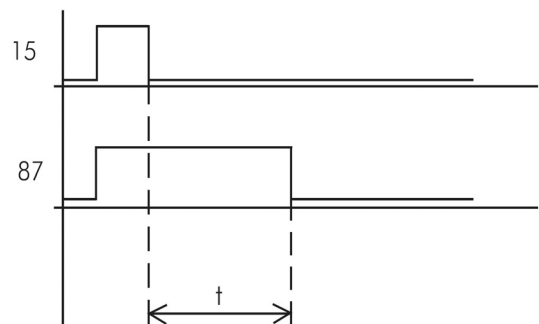
Apply supply voltage on terminal 30 and ground on terminal 31. After applying supply voltage on terminal 15, the relay will pull in after the programmed period t . When terminal 15 is opened, the relay drops back instantly.



Abfallverzögert - Standard-Variante Delay Off - Standard Type

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

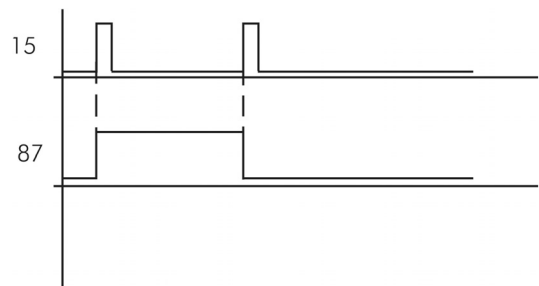
Apply supply voltage on terminal 30 and ground on terminal 31. After applying supply voltage on terminal 15, the relay pulls in instantly. When terminal 15 is opened, the relay drops back after the programmed period t .



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

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

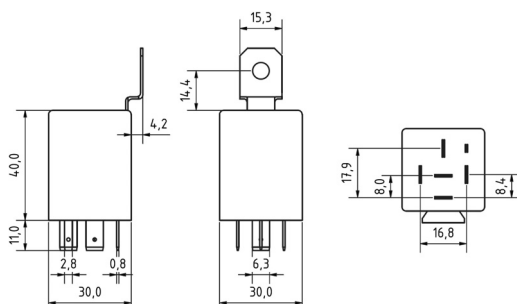
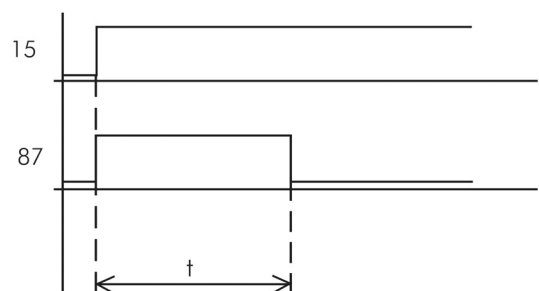
Apply supply voltage on terminal 30 and ground on terminal 31. With each pulse on terminal 15, the relay switches to the other position..



Impulsrelais - Standard-Variante Pulse Relay - Standard Type

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

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



ZEIT- / FUNKTIONSRELAIS

TIMER / MULTITIMER RELAYS

IKA-No.	Nominal Voltage	Type
9 9052 1	12V	Delay ON 8s
9 9106 1	12V	Forklift immobilizer
9 9123 1	12V	Latching Relay
9 9129 1	12V	20/30A
9 9141 1	12V	Delay ON 0,5s
9 9142 1	12V	Delay ON 3s
9 9143 1	12V	Delay ON 10s
9 9144 1	12V	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 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 9163 1	12V	Pulse Relay 0,8s
9 9164 1	12V	positive controlled
9 9167 1	12V	negative controlled
NEW 9 9174 1	12V	Latching Relay
9 9311 1	12V	Delay ON 15s
9 9341 1	12V	50A
9 9356 1	12V	50A Headlight Relay
9 9383 1	12V	Delay ON 10s
9 9402 1	12V	Latching Relay
9 9418 1	12V	Delay OFF 60s
9 9433 1	12V	Multifunction
9 9457 1	12V	Delay OFF 7s
9 9498 1	12V	Delay ON/OFF adj.
NEW 9 9589 1	12V	Multifunction
NEW 9 9591 1	12V	Multifunction
NEW 9 9729 1	12V	Pulse Relay 60min
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 9158 1	24V	Delay OFF 3s

ZEIT- / FUNKTIONSRELAIS TIMER / MULTITIMER RELAYS

IKA-No.	Nominal Voltage	Type
9 9159 1	24V	Delay OFF 10s
9 9160 1	24V	Delay OFF 15s
9 9161 1	24V	Delay OFF 30s
9 9165 1	24V	positive controlled
9 9166 1	24V	Latching Relay 20min
9 9168 1	24V	negative controlled
9 9352 1	24V	Latching Relay 10min
9 9388 1	24V	Delay OFF 60s
9 9393 1	24V	Delay ON 2,5s
9 9424 1	24V	Delay ON 0.5s
9 9477 1	24V	Delay OFF 45min
9 9485 1	24V	Delay ON/OFF adj.
9 9511 1	24V	Multifunction
9 9515 1	24V	Delay OFF 3,5s
NEW 9 9537 1	24V	Delay ON 1s
NEW 9 9581 1	24V	Latching Relay

STECKSOCKEL SOCKETS

	IKA-No.	Technical Details	References
	9 9040 1	Socket Micro Relay 2x6,3mm 3x4,8mm with Bracket	Bosch
			Hella
			Iveco
			Wehrle
	9 9041 1	Socket HD Relay 2x9,5mm 3x6,3mm 4x2,8mm with Bracket	3 334 485 045
			8JD733767-001
			41627783
			10 700 004
	9 9042 1	Socket Mini Relay 5x6,3mm 4x2,8mm with Bracket	Cargo
			MAN
			Volvo
			Wehrle
			191026
			8125435-0500
			28015029
			10 700 007
			BMW
			Bosch
			Cargo
			Caterpillar
			Daewoo
			Fendt
			Fiat
			Ford
			Hella
			Iveco
			John Deere
			Mahle
			Mercedes-Benz
			Nagares
			Porsche
			Renault
			Volvo
			VW
			Wehrle
			1 361 496
			3 334 485 008
			190766
			7T 6365
			3 334 485 008
			X830.230.710
			1164650, 5113898
			0608 3293, 5100 820, 6083293
			81DB 14A481 AA
			8JA 003 526-001, 8JA 003 526-002
			1164650, 42098535, 8168785
			AZ 26 995
			MRC 2
			006 545 14 28, 629 821 00 31, 638 545 00 28
			721 185 13 51, A 006 545 14 28, A 629 821 00 31
			A 638 545 00 28, A 721 185 13 51
			ZB1
			914 612 415 00
			50 00 786 249
			13946556, 21891605, 4780950
			946556
			251 963 425, 321 937 501
			10 485 008
	9 9043 1	Socket ATO Fuse with Bracket with crimp connector	Cargo
			192794
	9 9044 1	Change-Over Socket HD Relay 3x9,5mm 2x6,3mm 4x2,8mm with Bracket	
	9 9237 1	PCB mounting Socket Mini Relay 5x6,3mm	Bosch
			DAF
			Hella
			Wehrle
			3 334 485 010
			086 7535, 867535
			8JA717291-007
			10 700 006

STECKSOCKEL SOCKETS

	IKA-No.	Technical Details	References	
	9 9238 1	Socket Mini Relay without fixation 5x6,3mm	Bosch Cargo Hella Wehrle	3 334 485 007 190767 8JA715606-001 10 485 007
	9 9239 1	PCB mounting Socket Micro Relay 2x6,3mm 3x4,8mm	Bosch	3 334 485 049
	9 9240 1	Socket Micro Relay without fixation 2x6,3mm 3x4,8mm	Bosch	3 334 485 046
	9 9267 1	Plug distributor 25A 4+4x6.3mm		
	9 9268 1	Plug distributor 25A 6+6+6x6.3mm		
	9 9428 1	for Relays with Skirt Relay Socket		
	9 9900 0	Crimp Contact ATO	Cargo	192986
	9 9904 0	6,3mm PCB Soldering Contact		

STECKSOCKEL SOCKETS

	IKA-No.	Technical Details	References
	9 9905 0	4,8mm PCB Soldering Contact	
	9 9906 0	Crimp Contact 4.8mm with snap-in nose	
	9 9907 0	Crimp Contact 6.3mm with snap-on nose	
	9 9908 0	Crimp Contact 9.5mm with snap-on nose	
	9 9909 0	Crimp Contact 2.8mm with snap-on nose	
	9 9916 0 NEW	Crimp Contact ATO 2000	
	9 9922 0 NEW	Crimp Contact ATO	

SICHERUNGEN / HALTER

FUSES / HOLDERS

IKA-No. Technical Details References



9 9130 1 Fuse Holder Mini



9 9244 1 Fuse Holder Mini



9 9249 1 Fuse Holder w. Wire



9 9251 1 Fuse Holder w. Wire



9 9254 1 Fuse Holder w. Wire



9 9255 1 Fuse Holder LED

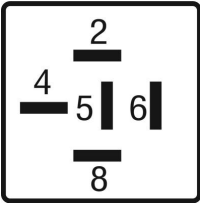
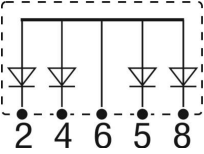
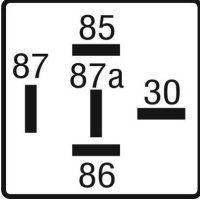
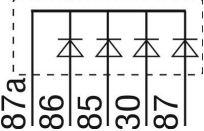
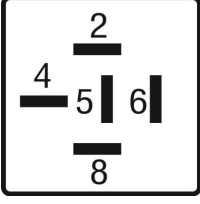
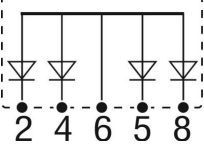
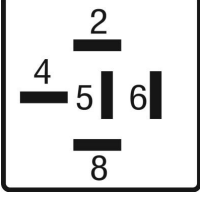
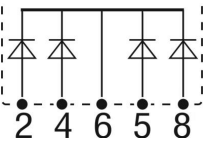
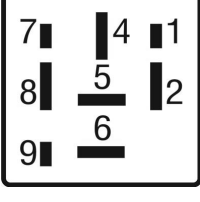
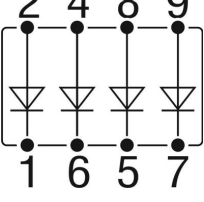
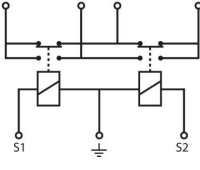
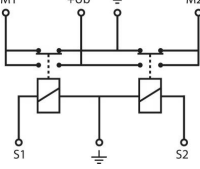
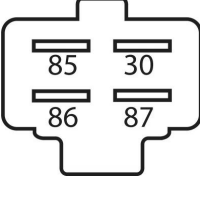
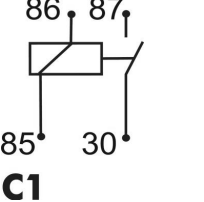


9 9330 1 Fuse Holder LED

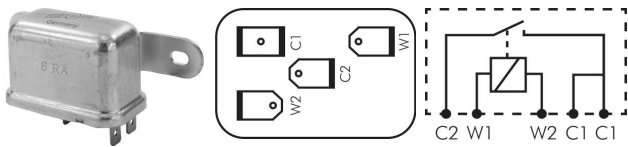
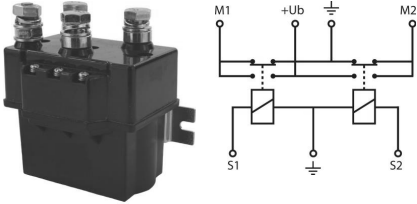


9 9419 1 Fuse Holder Mini

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	50A	Reversing Solenoid
			9 9125 1	12V 30A	Bosch 0986AH0406

DIVERSE GERÄTE VARIOUS DEVICES

	IKA-No.	Technical Details	Application
	9 9127 1	12V 30A	
	9 9840 1 NEW	12V	Isuzu 8942322250 Isuzu 8942356270
	9 9021 1	24V 50/200A	Reversing Solenoid

Klemmbezeichnungen nach DIN 72 552

Terminal Descriptions according to DIN 72 552

Klemme
Terminal

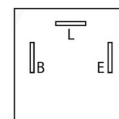
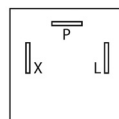
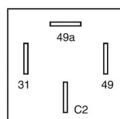
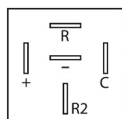
15	Geschaltetes Plus hinter Batterie (Ausgang Zündschalter) Switched positive pole after battery (Output of ignition switch)
15a	Ausgang am Vorwiderstand zur Zündspule und zum Starter Output at dropping resistor to ignition coil and starter
30	Eingang von Batterie Plus (direkt) Input from + battery terminal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

Klemme
Terminal

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

Klemmenbelegung Blinkgeber Terminals Connection of Flasher

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



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DC66P	9 9107 1	36	61 31 1 373 604	9 9004 1	7	0 332 014 125	9 9005 1	8
DC88P	9 9018 1	36	61 31 1 373 916	9 9004 1	7	0 332 014 135	9 9309 1	11
DC88P	9 9021 1	37	61 31 1 378 211	9 9013 1	17	0 332 014 150	9 9005 1	8
			61 31 1 382 362	9 9303 1	10	0 332 014 202	9 9065 1	12
ALCATEL	IKA	PAGE	61 31 1 388 913	9 9004 1	7	0 332 014 203	9 9065 1	12
2420827	9 9014 1	19	61 31 6 919 113	9 9056 1	2	0 332 014 206	9 9636 1	15
2420827	9 9313 1	21	61 31 8 650 184	9 9297 1	9	0 332 014 213	9 9065 1	12
			61 32 1 358 198	9 9295 1	9	0 332 014 406	9 9005 1	8
ALFA ROMEO	IKA	PAGE	61 36 1 378 238	9 9302 1	10	0 332 014 408	9 9069 1	13
11130088	9 9056 1	2	61 36 6 918 816	9 9057 1	2	0 332 014 409	9 9297 1	9
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1 360 877	9 9297 1	9				0 332 019 109	9 9309 1	11
1 361 496	9 9042 1	32	BOSCH	IKA	PAGE	0 332 019 150	9 9005 1	8
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0 332 204 201	9 9009 1	12	0 986 332 001	9 9138 1	19	0986332003	9 9305 1	10
0 332 204 202	9 9009 1	12	0 986 332 070	9 9053 1	2	0986332003	9 9304 1	10
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0 332 204 212	9 9064 1	12	0 986 AH0 251	9 9005 1	8	0986332023	9 9138 1	19
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0 332 209 204	9 9521 1	14	0333009004	9 9108 1	27	3 334 485 049	9 9239 1	33

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191026	9 9041 1	32	091 0419	9 9003 1	7	01181845	9 9096 1	19
192794	9 9043 1	32	118 159	9 9072 1	13	4411492	9 9300 1	9
192986	9 9900 0	33	118159	9 9009 1	12			
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7077033	9 9056 1	2	1457437	9 9313 1	21	4270844M1	9 9085 1	17
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082-9627	9 9004 1	7	152 3983	9 9073 1	13	V 836 129 701	9 9012 1	17
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157991	9 9300 1	9				81DB15K235	9 9071 1	13
30 33 11 61	9 9003 1	7	FORD	IKA	PAGE	81DB15K235VA	9 9008 1	12
			0 616 540 2	9 9003 1	7	8391 7535	9 9005 1	8
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FIAT	IKA	PAGE	0605 3460	9 9004 1	7	87DB 15K235 AA	9 9171 1	9
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4RA 007 793-041	9 9080 1	17	4RA933332-107	9 9002 1	7	4RD 933 332-361	9 9004 1	7
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