



NAGARES

**PRODUCTOS ELECTRÓNICOS PARA EL AUTOMOVIL
ELECTRONIC COMPONENTS FOR AUTOMOTIVE
PRODUITS ÉLECTRONIQUES POUR L'AUTOMOBILE**



Catálogo Julio 2001

**INTERMITENCIAS
FLASHERS
C. CLIGNOTANTES**

**RELES
RELAYS
RELAIS**

**TEMPORIZADORES PRE Y POST CALENTAMIENTO
PRE AND POST HEATING TIMERS
PRE ET POST CHAUFFAGE POUR MOTEURS DIESEL**

**TEMPORIZADORES VARIOS
DIVERSE TIMERS
DIVERS TEMPORISATEURS**

**VARIOS
MISCELLANEOUS
DIVERS**

**LISTA DE CONFRONTACION DE CONSTRUCTORES
MANUFACTURERS CROSS REFERENCE LIST
LISTE DE CORRESPONDANCE DES CONSTRUCTEURS**

**LISTA DE CONFRONTACION COMPETIDORES
COMPETITORS CROSS REFERENCE LIST
LISTE DE CORRESPONDANCE DES CONCURRENTS**

**TEMPORIZADORES - AFECTACION POR MARCAS
TIMERS -MARKS APPLICATIONS
TEMPORISATEURS-AFFECTATIONS PAR MARQUE**

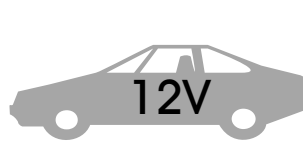
INTERMITENCIAS FLASHERS C. CLIGNOTANTES



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INTERMITENCIAS/ FLASHERS/ C. CLIGNOTANTES

Turismos sin Remolque
 Passenger Cars
 Voitures sans Remorque



DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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(SAE) CITRÖEN, FIAT, NISSAN, PEUGEOT-TALBOT, RENAULT, SEAT

	SIN DETECCIÓN DE LÁMPARA FUNDIDA	01001	IT-180-12	A	12 V	
	NO FUSED LAMP WARNING				180 W	
	SANS DÉTECTION LAMPE DÉFECTUEUSE	01036	IT-180-12S	-		

	CON DETECCIÓN LAMP. FUNDIDA POR APAGADO DE LAMPARA	01005	ITE-3	A	12 V	
	WITH FUSED LAMP DETECTION (LAMP SWITCH OFF)				2(4) X 21 W. + 0...4W.	
	AVEC DÉTECTION LAMPE DÉFECTUEUSE	01228	ITES-3	-		

 30 x 30 mm	CON DETECCIÓN LAMP. FUNDIDA POR AUMENTO DE PULSACIONES	01369	ITA/4-12	A	12 V	
	WITH FUSED LAMP DETECTION INCREASED SPEED IN LAMP BLINKING				2(4) X 21 W. + 0...4W.	
	AVEC DÉTECTION LAMPE DÉFECTUEUSE ACCÉLÉRATION DE LA CADENCE DE CLIGNOTEMENT	01370	ITAS/4-12	-		

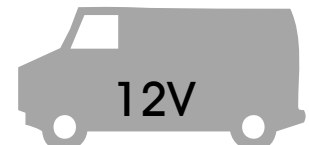
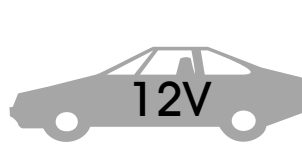
(DIN) BMW, FORD, OPEL, SAAB, VOLVO, AUDI, ALFA ROMEO, VW

	SIN DETECCION DE LAMPARA FUNDIDA	01009	ITFE/110-12	D	12 V	
	NO FUSED LAMP WARNING				110 W	
	SANS DÉTECTION LAMPE DÉFECTUEUSE	01010	ITM/100-12	-	12 V	
					100 W	

 30 x 30 mm	CON DETECCIÓN LAMP. FUNDIDA POR AUMENTO DE PULSACIONES	01125	ITGE/3-12	D	12 V	
	WITH FUSED LAMP DETECTION INCREASED SPEED IN LAMP BLINKING	01126	ITGS/3-12	-	2(4) X 21 W. + 0...4W.	
	AVEC DÉTECTION LAMPE DÉFECTUEUSE ACCÉLÉRATION DE LA CADENCE DE CLIGNOTEMENT	01378	ITGR/3-12	B		
		01584	ITG/3-12	A		


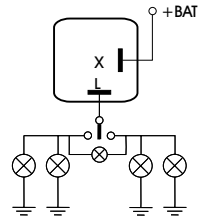
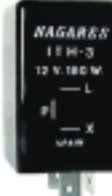
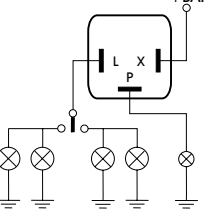
INTERMITENCIAS/ FLASHERS/ C. CLIGNOTANTES

Turismos sin Remolque
 Passenger Cars
 Voitures sans Remorque


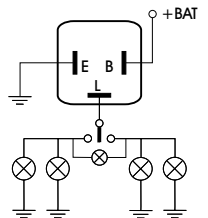


	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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AUSTIN, CHRYSLER, MORRIS, ROVER

	<p>SIN DETECCIÓN DE LÁMPARA FUNDIDA</p> <p>NO FUSED LAMP WARNING</p> <p>SANS DÉTECTION LAMPE DÉFECTUEUSE</p>	01012	ITH-2	A	12 V 180 W	
	<p>SIN DETECCIÓN DE LÁMPARA FUNDIDA</p> <p>NO FUSED LAMP WARNING</p> <p>SANS DÉTECTION LAMPE DÉFECTUEUSE</p>	01011	ITH-3	A	12 V 180 W	


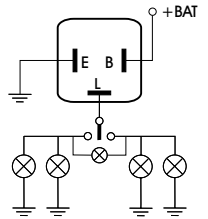
NISSAN, SUZUKI, HONDA

 <p>30 x 30 mm</p>	<p>CON DETECCIÓN LAMP. FUNDIDA POR AUMENTO DE PULSACIONES</p> <p>WITH FUSED LAMP DETECTION INCREASED SPEED IN LAMP BLINKING</p> <p>AVEC DÉTECTION LAMPE DÉFECTUEUSE ACCÉLÉRATION DE LA CADENCE DE CLIGNOTEMENT</p>	01380	ITJ/3-12	A	12 V 2(4) x 21 W. + 0...4W.	
		01381	ITJS/3-12	-		


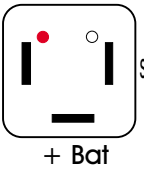
Motos
 Motorcycles
 Motos



JAPONESAS 12V. (KAWASAKI, HONDA, SUZUKI, YAMAHA)

 <p>30 x 30 mm</p>	<p>CON DETECCIÓN LAMP. FUNDIDA POR AUMENTO DE PULSACIONES</p> <p>WITH FUSED LAMP DETECTION INCREASED SPEED IN LAMP BLINKING</p> <p>AVEC DÉTECTION LAMPE DÉFECTUEUSE ACCÉLÉRATION DE LA CADENCE DE CLIGNOTEMENT</p>	01380	ITJ/3-12	A	12 V 2(4) x 21 W. + 0...4W.	
		01381	ITJS/3-12	-		

VESPA (VOLANTE MAGNETICO, MAGNETIC STEERING WHELL, VOLANT MAGNETIQUE)

	<p>ELECTRONICA PARA MOTOS</p> <p>ELECTRONIC DEVICES FOR MOTORCYCLES.</p> <p>DISPOSITÉS ÉLECTRONIQUES POUR MOTOS</p>	01292	ITVE-3	-	12 V 21+21 W + 0....2 W	 <p>Salida 1</p> <p>Salida 2</p> <p>+ Bat</p>
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INTERMITENCIAS/ FLASHERS/ C. CLIGNOTANTES

Turismos con Remolque

Passenger cars with Trailer

Voitures avec Remorque



DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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(SAE) CITRÖEN, FIAT, NISSAN, PEUGEOT-TALBOT, RENAULT, SEAT

	CON DOBLE DETECCIÓN DE FALLO WITH DOUBLE FAILURE DETECTION AVEC DOUBLE DÉTECTION DEFAILLANCE	01376	ITA/5-12	A	12 V 2+1(6) X 21W. + (2)0...4W.	
		01377	ITAS/5-12	-		

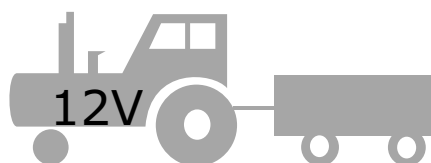
(DIN) BMW, FORD, OPEL, SAAB, VOLVO, AUDI, ALFA ROMEO, VW

	CON DOBLE DETECCIÓN DE FALLO WITH DOUBLE FAILURE DETECTION AVEC DOUBLE DÉTECTION DEFAILLANCE	01379	ITG/4-12	A	12 V 2+1(6) X 21W. + (2)0...4W.	
		01359	ITGS/4-12	-		

Tractores con 1 Remolque

Tractors with 1 Trailer

Tracteurs avec 1 Remorque

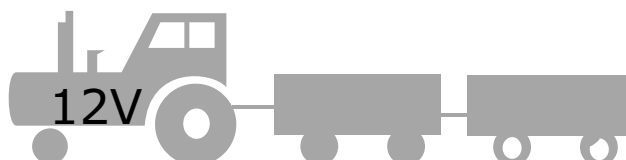


	CON DOBLE DETECCIÓN DE FALLO WITH DOUBLE FAILURE DETECTION AVEC DOUBLE DÉTECTION DEFAILLANCE	01245	ITR-5	C	12 V (2+1) X 21 W. + 5 W.	
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Tractores con 2 Remolques

Tractors with 2 Trailers

Tracteurs avec 2 Remorques



	CON DETECCIÓN DE FALLO WITH FAILURE DETECTION AVEC DÉTECTION DEFAILLANCE	01560	ITRD/6-12	C	12 V (2+1+1) X 21W. + 5 W. + (3)0...4W.	
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INTERMITENCIAS/ FLASHERS/ C. CLIGNOTANTES

Vehículos Industriales
Industrial Vehicles
Véhicules Industriels



	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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(SAE) UNIVERSAL / STANDARD

	SIN DETECCIÓN DE LÁMPARA FUNDIDA <i>NO FUSED LAMP WARNING</i>	01040	IT-84-24	A	24 V	
	SANS DÉTECTION LAMPE DÉFECTUEUSE	01290	IT-84-24S	-	84 W	

	CON DETECCIÓN LAMP.FUNDIDA POR APAGADO DE LÁMPARA <i>WITH FUSED LAMP DETECTION (LAMP SWITCH-OFF)</i>	01043	ITE-3-24	A	24 V	
	AVEC DÉTECTION LAMPE DÉFECTUEUSE	01042	ITES-3-24	-	2(4) X 21 W. + 0...4W.	

	CON DETECCIÓN LAMP.FUNDIDA POR AUMENTO DE PULSACIONES <i>WITH FUSED LAMP DETECTION INCREASED SPEED IN LAMP BLINKING</i>	01465	ITA/4-24	A	24 V	
	AVEC DÉTECTION LAMPE DÉFECTUEUSE ACCÉLÉRATION DE LA CADENCE DE CLIGNOTEMENT	01466	ITAS/4-24	-	2(4) X 21 W. + 0...4W.	

(DIN) UNIVERSAL / STANDARD

	CON DETECCIÓN LAMP.FUNDIDA POR APAGADO DE LAMPARA <i>WITH FUSED LAMP DETECTION (LAMP SWITCH-OFF)</i>	01585	ITG/3-24	A	24 V	
	AVEC DÉTECTION LAMPE DÉFECTUEUSE	01169	ITGS/3-24	-	2(4) X 21 W. + 0...4W.	

INTERMITENCIAS/ FLASHERS/ C. CLIGNOTANTES

Camiones con/sin Remolque
Trucks with/without Trailer
Camions avec /sans Remorque



DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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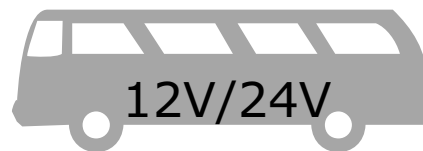
(SAE) UNIVERSAL / STANDARD

	ESPECIAL ALTOS CONSUMOS	01448	ITN/500-24	A	24 V 500 W	
	HIGH CONSUMPTIONS					
	HAUTES CONSOMMATIONS					

(DIN) UNIVERSAL / STANDARD

	CON DETECCIÓN LAMP. FUNDIDA POR APAGADO DE LÁMPARA	01234	ITRC-6	C	24 V (2+1) x 21 W. + 5 W.	
	WITH FUSED LAMP DETECTION (LAMP SWITCH-OFF)					
	DÉTECTION LAMPE DÉFECTUEUSE					

Especial para Autobuses
Special for Buses
Spécial Bus



	DOBLE DESTELLO	01090	ITD-12/S	C	12 V 200 W	
	DOUBLE FLASH	01102	ITD-24/S	C	24 V 200 W	
	DOBLE DESTELLO, CON CONECTOR	01091	ITD-12/Y	C	12 V 200 W	
	DOUBLE FLASH, WITH CONNECTOR	01103	ITD-24/Y	C	24 V 200 W	

INTERMITENCIAS/ FLASHERS/ C. CLIGNOTANTES

Señalización de Emergencia Hazard Warning light Signalisation D'urgence



	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	CONJUNTO SEÑALIZACIÓN DE EMERGENCIA <i>HAZARD WARNING LIGHT</i>	04013	2000/12	-	12 V /180W	
	<i>EMSEMBLE DE SIGNALISATION D'EMERGENCE</i>	04062	2000/24	-	24 V /500W	
	CONJUNTO SEÑALIZACIÓN DE EMERGENCIA <i>HAZARD WARNING LIGHT</i>	04014	1000/12	-	12 V /180W	
	<i>EMSEMBLE DE SIGNALISATION D'EMERGENCE</i>	04134	1000/24	-	24 V /500W	

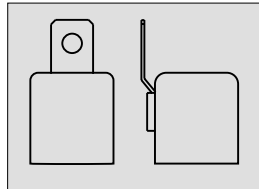
Tabla de Equivalencia. Posición y marcado de terminales según países Table of equivalences. Position and labeling of terminals according to countries Tableau d'equivalences. Position et marquage des bornes selon les pays

		PAISES COUNTRIES PAYS	España, Francia, Italia Spain, France, Italy Espagne, France, Italie	Alemania Germany Allemagne	USA, Canada, GB USA, Canada, UK USA, Canada, UK	Japón Japan Japan
TERMINALES	TERMINALS	BORNES	SAE	DIN		
+ Batería	+ Battery	+ Batterie	+	49	X	B
Masa	Earth	Masse	-	31		E
Mando Interm.	Switch	Commutateur	C	49a	L	L
Lámp. Vehículo	Veh. Control Lamp	Voyant Véhicule	R		P	
Lámp. Remolque	Trailer Control Lamp	Lampe Remorque	R2	C2		

Tabla de Soportes

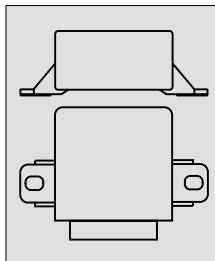
Table of Brackets

Tableau de Supports

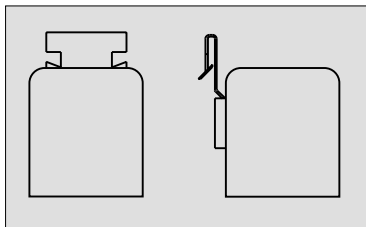


A Soporte Metálico Vertical, Sujeción por tornillo
 Metal Vertical Bracket, Screw-fastened
 Support métallique Vertical, Fixation par vis

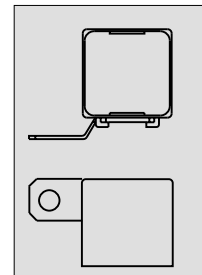
C Soportes Varios, plástico, moldeados con tapa
 Assorted Plastic Brackets, cast with cover
 Divers supports, en plastique, moulé avec couvercle



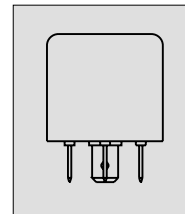
D Soporte Metálico. Sujeción por Clip
 Metal bracket. Clip-fastened
 Support métallique. Fixation par Clip



B Soporte Metálico Horizontal, Sujeción por tornillo
 Metal Horizontal Bracket, Screw-fastened
 Support métallique Horizontal, Fixation par vis



Sin soporte. Sujeción por conector o circuito impreso
 No bracket. Connector-or printed circuit- fastened
 Sans support. Fixation par connecteur ou par circuit imprimé





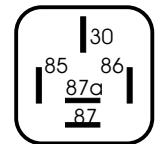
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Polivalentes 12V/40Amp y 24V/22Amp	12
Polivalentes 12V/40Amp y 24V/22Amp	13
Polivalentes 12V/40Amp y 24V/22Amp	14
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Altos Consumos 12V/70Amp y 24V/40Amp	15
Altos Consumos 12V/180Amp y 24V/80Amp	15
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RELES / RELAYS / RELAIS

Reles Polivalentes
Multi-Purpose Relays
Relais Polyvalents

12V./40Amp.
24V./22Amp.

TIPO B



4/5 x 6.3 mm

	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	RELE INTERRUPTOR	02152	RLP/4-12	C	12 V/40A	
	NORMALLY OPEN RELAY	02025	RLPS/4-12	-		
	RELAÏ CONTACTEUR	02058	RLP/4-24	C	24 V/22A	
		02053	RLPS/4-24	-		
	RELE INTERRUPTOR CON SALIDA DOBLE	02031	RLP/5-12	C	12 V/40A	
	NORMALLY OPEN RELAY WITH DOUBLE OUTPUT	02026	RLPS/5-12	-		
	RELAÏ CONTACTEUR AVEC SORTIE DOUBLE	02059	RLP/5-24	C	24 V/22A	
		02054	RLPS/5-24	-		
	RELE INVERSOR	02032	RLP/52-12	C	12 V	
	CHANGE OVER RELAY	02027	RLPS/52-12	-	40/15 A	
	RELAÏ INVERSEUR	02060	RLP/52-24	C	24 V	
		02055	RLPS/52-24	-	22/10 A	
	RELE INTERRUPTOR, CON DOBLE CONTACTO Y DOBLE SALIDA	02794	RDP/5-12	C	12 V	
	NORMALLY OPEN RELAY WITH DOUBLE CONTACT AND DOUBLE OUTPUT	02795	RDPS/5-12	-	2 x 20 A.	
	RELAÏ CONTACTEUR AVEC SORTIE DOUBLE ET DOUBLE CONTACT	02796	RDP/5-24	C	24 V	
		02797	RDPS/5-24	-	2 X 10 A.	

Posición y Marcado de Terminales
Position and labeling of terminals
Position et marquage des bornes

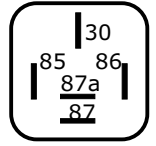
TIPO B	VEHICULOS / VEHICLES / VEHICULES	APLICACIONES/ APLICATIONS / APPLICATIONS
	ALFA AUDI CITROËN DAIMLER BENZ FIAT MAN NISSAN PEUGEOT	RENAULT ROVER SAAB SEAT SINCA TALBOT VW
		Cargas Inductivas y Resistivas <i>Inductive and resistive loads</i> <i>Charges inductives et résistives</i>

RELES / RELAYS / RELAIS

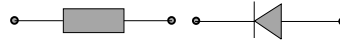
Reles Polivalentes
Multi-Purpose Relays
Relais Polyvalents

12V./40Amp.
 24V./22Amp.

TIPO B



4/5 x 6.3 mm



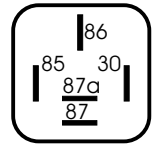
	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	INTERRUPTOR CON RESISTENCIA <i>NORMALLY OPEN WITH RESISTOR</i> CONTACTEUR AVEC RÉSISTANCE	02737	RLP/4-12R	C	12 V/40A	
		02738	RLPS/4-12R	-		
		02739	RLP/4-24R	C	24 V/22A	
		02740	RLPS/4-24R	-		
	INTERRUPTOR CON DIODO <i>NORMALLY OPEN WITH DIODE</i> CONTACTEUR AVEC DIODE	02741	RLP/4-12D	C	12 V/40A	
		02742	RLPS/4-12D	-		
		02743	RLP/4-24D	C	24 V/22A	
		02744	RLPS/4-24D	-		
	INTERRUPTOR CON RESISTENCIA Y SALIDA DOBLE <i>NORMALLY OPEN WITH RESISTOR AND DOUBLE OUTPUT</i> CONTACTEUR AVEC RESISTANCE ET DOUBLE SORTIE	02698	RLP/5-12R	C	12 V/40A	
		02746	RLPS/5-12R	-		
		02699	RLP/5-24R	C	24 V/22A	
		02747	RLPS/5-24R	-		
	INTERRUPTOR CON DIODO Y SALIDA DOBLE <i>NORMALLY OPEN WITH DIODE AND DOUBLE OUTPUT</i> CONTACTEUR AVEC DIODE ET DOUBLE SORTIE	02748	RLP/5-12D	C	12 V/40A	
		02749	RLPS/5-12D	-		
		02750	RLP/5-24D	C	24 V/22A	
		02751	RLPS/5-24D	-		
	INVERSOR CON RESISTENCIA <i>CHANGE OVER WITH RESISTOR</i> INVERSEUR AVEC RÉSISTANCE	02752	RLP/52-12R	C	12 V	
		02753	RLPS/52-12R	-	40/15A	
		02754	RLP/52-24R	C	24 V	
		02755	RLPS/52-24R	-	22/10A	
	INVERSOR CON DIODO <i>CHANGE OVER WITH DIODE</i> INVERSEUR AVEC DIODE	02689	RLP/52-12D	C	12 V	
		02690	RLPS/52-12D	-	40/15A	
		02700	RLP/52-24D	C	24 V	
		02756	RLPS/52-24D	-	22/10A	
	INTERRUPTOR, DOBLE CONTACTO DOBLE SALIDA CON RESISTENCIA <i>NORMALLY OPEN WITH BOUBLE OUTPUT AND CONTACT, WITH RESISTOR</i> CONTACTEUR AVEC DOUBLE SORTIE ET CONTACT, AVEC RÉSISTANCE	02155	RDP/5-12R	C	12 V	
		02451	RDPS/5-12R	-	2 x 20A	
		02190	RDP/5-24R	C	24 V	
		02191	RDPS/5-24R	-	2 x 10A	
	INTERRUPTOR, DOBLE CONTACTO DOBLE SALIDA CON DIODO <i>NORMALLY OPEN WITH BOUBLE OUTPUT AND CONTACT, WITH DIODE</i> CONTACTEUR AVEC DOUBLE SORTIE ET CONTACT, AVEC DIODE	02968	RDP/5-12D	C	12 V	
		02096	RDPS/5-12D	-	2 x 20A	
		02188	RDP/5-24D	C	24 V	
		02102	RDPS/5-24D	-	2 x 10A	

RELES / RELAYS / RELAIS


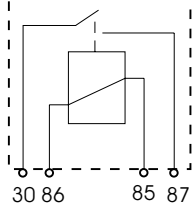

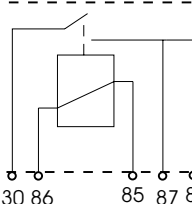

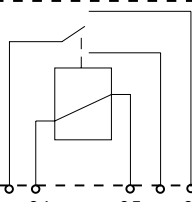
Reles Polivalentes
Multi-Purpose Relays
Relais Polyvalents

12V./40Amp.
24V./22Amp.

TIPO A



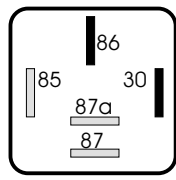
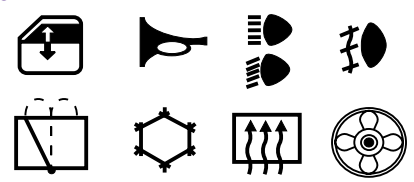
4/5 x 6.3 mm

	DESCRIPCIÓN DESCRIPTION DESIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	RELE INTERRUPTOR	02383	RLPA/4-12	C	12 V/40A	
	NORMALLY OPEN RELAY	02384	RLPAS/4-12	-		
	RELAÏ CONTACTEUR	02385	RLPA/4-24	C	24 V/22A	
		02386	RLPAS/4-24	-		
	RELE INTERRUPTOR CON SALIDA DOBLE	02387	RLPA/5-12	C	12 V/40A	
	NORMALLY OPEN RELAY WITH DOUBLE OUTPUT	02388	RLPAS/5-12	-		
	RELAÏ CONTACTEUR AVEC DOUBLE SORTIE	02389	RLPA/5-24	C	24 V/22A	
		02390	RLPAS/5-24	-		
	RELE INVERSOR	02391	RLPA/52-12	C	12 V	
	CHANGE OVER RELAY	02392	RLPAS/52-12	-	40/15 A	
	RELAÏ INVERSEUR	02393	RLPA/52-24	C	24 V	
		02394	RLPAS/52-24	-	22/10 A	

Posición y Marcado de Terminales

Position and labeling of terminals

Position et marquage des bornes

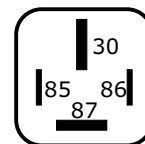
TIPO A	VEHICULOS / VEHICLES/ VEHICULES	APLICACIONES/ APLICATIONS / APPLICATIONS
	<p>BMW FORD OPEL VOLVO</p>	<p>Cargas Inductivas y Resistivas Inductive and resistive loads Charges inductives et résistives</p> 

RELES / RELAYS / RELAIS

Altos Consumos
High Consumptions
Hautes Consommations

12V./50Amp.
24V./30Amp.

TIPO B



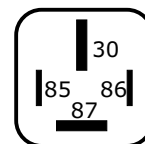
2 x 6.3 mm
 2 x 8 mm

	DESCRIPCIÓN DESCRIPTION DESIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	RELE INTERRUPTOR	02395	RLE/4-12	C	12 V/50A	
	NORMALLY OPEN RELAY	02396	RLES/4-12	-		
	RELAJ CONTACTEUR	02397	RLE/4-24	C	24 V/30A	
		02398	RLES/4-24	-		

Altos Consumos
High Consumptions
Hautes Consommations

12V./70Amp.
24V./40Amp.

TIPO B

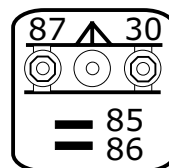


2 x 6.3 mm
 2 x 9.5 mm

	RELE INTERRUPTOR	02687	RLAC/4-12	C	12 V/70A	
	NORMALLY OPEN RELAY	02763	RLACS/4-12	-		
	RELAJ CONTACTEUR	02792	RLAC/4-24	C	24 V/40A	
		02798	RLACS/4-24	-		

Altos Consumos
High Consumptions
Hautes Consommations

12V./180Amp.
24V./80Amp.



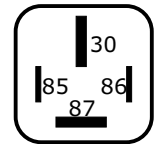
	RELE INTERRUPTOR	02136	RL/180-12	C	12 V Pico 180A. Nom.100A	
	NORMALLY OPEN RELAY	02362	RL/80-24	C	24 V Pico 80A. Nom.60A	
	RELAJ CONTACTEUR					

RELES / RELAYS / RELAIS

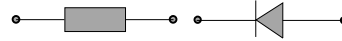
Altos Consumos
High Consumptions
Hautes Consommations

12V./50Amp.
24V./30Amp.

TIPO B



2 x 6.3 mm
 2 x 8 mm

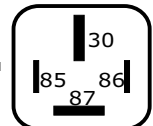


	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	INTERRUPTOR CON RESISTENCIA	02803	RLE/4-12R	C	12 V /50A	
	<i>NORMALLY OPEN WITH RESISTOR</i>	02804	RLES/4-12R	-		
	<i>CONTACTEUR AVEC RÉSISTANCE</i>	02805	RLE/4-24R	C	24 V /30A	
		02806	RLES/4-24R	-		
	INTERRUPTOR CON DIODO	02693	RLE/4-12D	C	12 V /50A	
	<i>NORMALLY OPEN WITH DIODE</i>	02807	RLES/4-12D	-		
		02808	RLE/4-24D	C	24 V /30A	
	<i>CONTACTEUR AVEC DIODE</i>	02809	RLES/4-24D	-		

Altos Consumos
High Consumptions
Hautes Consommations

12V./70Amp.
24V./40Amp.

TIPO B



2 x 6.3 mm
 2 x 9.5 mm



	INTERRUPTOR CON RESISTENCIA	02810	RLAC/4-12R	C	12 V /70A	
	<i>NORMALLY OPEN WITH RESISTOR</i>	02811	RLACS/4-12R	-		
	<i>CONTACTEUR AVEC RÉSISTANCE</i>	02812	RLAC/4-24R	C	24 V /40A	
		02813	RLACS/4-24R	-		
	INTERRUPTOR CON DIODO	02814	RLAC/4-12D	C	12 V /70A	
	<i>NORMALLY OPEN WITH DIODE</i>	02815	RLACS/4-12D	-		
		02816	RLAC/4-24D	C	24 V /40A	
	<i>CONTACTEUR AVEC DIODE</i>	02817	RLACS/4-24D	-		

Rele Potencia Calentadores
Relay Assy-Glow
Relai Puissance Bougies

12V./60Amp.
24V./60Amp.

NISSAN : VARIOS


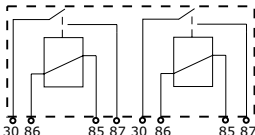


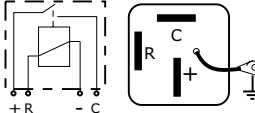
	Rele Potencia Calentadores	02181	RLGL/60-12	A	12 V/ 60 A	
	<i>Relay Assy-Glow</i>	02090	RLGL/60-24	A	24 V/ 60 A	
	<i>Relai Puissance Bougies</i>					

RELES / RELAYS / RELAIS


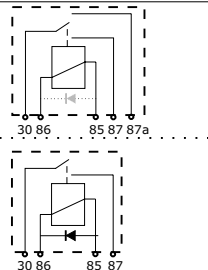
Reles Especiales

Special Relays


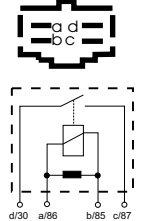
Relais Speciaux

	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	RELE INTERRUPTOR DOBLE	02020	RLDP/12	C	12 V	
	NORMALLY OPEN DOUBLE RELAY				2 x 40 A	
	RELAJ CONTACTEUR DOUBLE	02050	RLDP/24	C	24 V	
					2 x 22 A	
	RELE INTERRUPTOR CON CABLE MASA	02023	RLP/12-200	C	12 V/40A	
	NORMALLY OPEN RELAY WITH EARTH LEAD					
	RELAJ CONTACTEUR AVEC CABLE DE MASSE	02056	RLP/24-200	C	24 V/22A	

RENAULT : R-5, R-9, R-11, R-21, Express

	RELE ESTANCO	02229	RLPF/52-12	-	12 V	
	SEALED RELAY	02701	RLPF/52-12D (con diodo)	-	40/15 A	
	RELAJ ÉTANCHE	02097	RLE/4-12DE	A	12 V 50 A	

SUZUKI : VITARA


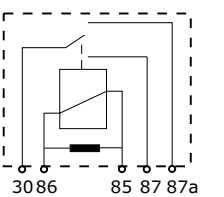
	RELE INTERRUPTOR	02780	REPI/4-12	-	12 V /20A	
	NORMALLY OPEN RELAY					
	RELAJ CONTACTEUR					

Microreles

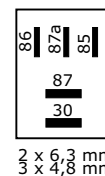
Micro Relays

Micro Relais

FORD, OPEL, RENAULT

	MICRO RELE INVERSOR	02845	MRIR/12-20	C	12 V 20/10 A.	
	CHANGE OVER MICRO RELAY					
	MICRO RELAI INVERSEUR	02847	MRIR/24-10	C	24 V 10/5 A.	

12V./20Amp.
24V./10Amp.


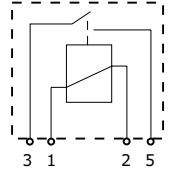
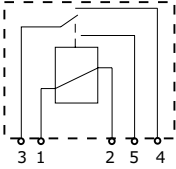
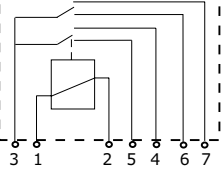


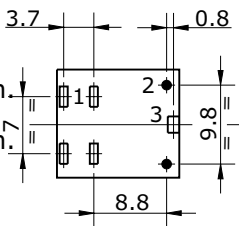
RELES / RELAYS / RELAIS

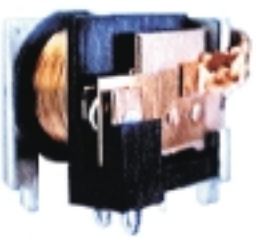
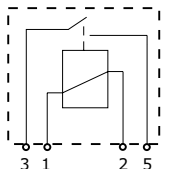
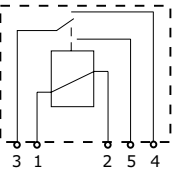
Reles para Circuito Impreso

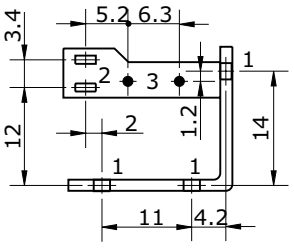
Printed Circuit Relays

Relais pour Circuit Imprimé

	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	RELE INTERRUPTOR	02400	RMC/12-20		12 V/20 A	
	NORMALLY OPEN RELAY					
	RELAJ CONTACTEUR	02403	RMC/24-10		24 V/10 A	
	RELE INVERSOR	02401	RMI/12-20		12 V/20 A	
	CHANGE OVER RELAY					
	RELAJ INVERSEUR	02404	RMI/24-10		24 V/10 A	
RELE INVERSOR CON DOBLE CONTACTO Y SALIDA	02402	RMD/12-20		12 V/20 A		
CHANGE OVER RELAY WITH DOUBLE CONTACT AND OUTPUT						
RELAJ INVERSEUR AVEC DOUBLE CONTACT ET SORTIE	02405	RMD/24-10		24 V/10 A		

Tensión/ Voltage/ Tension	12 v	24 v	
Consumo/Power consumption/Consomat.			
- Trabajo/In operation/En marche	20 A.	10 A.	
- Reposo/Idle/Arrêt	10 A.	5 A.	
Resistencia bobina/Coil Resistance /Résistance ohmique	85 ± 8,5 Ω	195 ± 20 Ω	

	RELE INTERRUPTOR	02406	RMC/12-30		12 V/30 A	
	NORMALLY OPEN RELAY					
	RELAJ CONTACTEUR	02408	RMC/24-15		24 V/15 A	
	RELE INVERSOR	02407	RMI/12-30		12 V/30 A	
	CHANGE OVER RELAY					
	RELAJ INVERSEUR	02409	RMI/24-15		24 V/15 A	

Tensión/ Voltage/ Tension	12 v	24 v	
Consumo/Power consumption/Consomat.			
- Trabajo/In operation/En marche	30 A.	15 A.	
- Reposo/Idle/Arrêt	15 A.	7,5 A.	
Resistencia bobina/Coil Resistance /Résistance ohmique	90 ± 8,5 Ω	260 ± 26 Ω	



**TEMP. PRE-POSTCALENTAMIENTO
PRE AND POST HEATING TIMERS
TEMP. PRE ET POST CHAUFFAGE**

	Pág.
Pre. bujías/ Pre Heating glowplugs/ Pre Chauffage bougies	20
Pre-Post. bujías/ Pre-Post. glowplugs/ Pre et Post bougies	21
Pre. antorchas/ Pre Heating flames/ Pre Chauffage torches	22
Pre-Post.antorchas/ Pre-Post flames/ Pre-Post torches	23
Pre.Bujías/ Pre Heating glowplugs/ Pre Chauffage bougies	24
Relés activación bujias/ Activation glow-plug relay/ Relai activation bougies	24




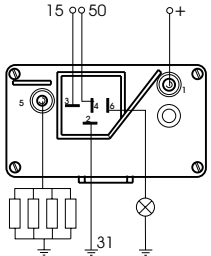
Temporizadores de Precaentamiento

Pre-Heating timers for diesel engines


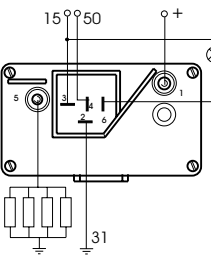
Temporisateurs de Pre-Chauffage pour moteurs diesel

DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSION VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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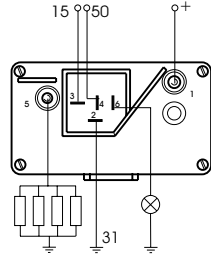
CITROËN, FIAT, NISSAN, PEUGEOT, TALBOT, SEAT : 7"

	TEMP. PRECALENTAMIENTO PROTEGIDO CONTRA CORTO- CIRCUITOS Y SOBRETENSIONES	03239	TPD/5-12	C	12 V 280 A	
	<i>PRE-HEATING TIMER PROTECTED AGAINST SHORT- CIRCUITS AND OVERVOLTAGES</i>	03608	TPD/5-24	C	24 V	
	TEMP. DE PRECHAUFFAGE PROTÉGÉ CONTRE COURT- CIRCUITS ET SURTENSIONS					
	<i>TEMP. DE PRECHAUFFAGE PROTÉGÉ CONTRE COURT- CIRCUITS ET SURTENSIONS</i>					

RENAULT : 7"

	TEMP. PRECALENTAMIENTO				12 V 280 A	
	<i>PRE-HEATING TIMER</i>	03240	TPD/6-12	C		
	TEMP. DE PRECHAUFFAGE					
	<i>TEMP. DE PRECHAUFFAGE</i>					

FIAT, SEAT (Anteriores a/ Earlier to/ Précédents à - 1984) : 15"


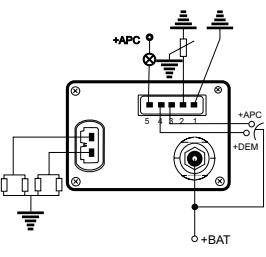
	TEMP. PRECALENTAMIENTO				12 V 280 A	
	<i>PRE-HEATING TIMER</i>	03241	TPD/12-12	C		
	TEMP. DE PRECHAUFFAGE					
	<i>TEMP. DE PRECHAUFFAGE</i>					

Temporizadores de Pre y Postcaentamiento

Pre and Post-Heating timers for diesel engines

Temporisateurs de Pre et Post-Chauffage pour moteurs diesel

RENAULT (Express) : 5"

	TEMP. DE PRE Y POSTCALENTADO				12 V	
	<i>PRE AND POST-HEATING TIMER</i>	03882	TPDSG/6-12	C		
	TEMP. DE PRE ET POST CHAUFFAGE					
	<i>TEMP. DE PRE ET POST CHAUFFAGE</i>					

Temporizadores de Pre y Postcalentamiento

Pre and Post-Heating timers for diesel engines

Temporisateurs de Pre et Post-Chauffage pour moteurs diesel




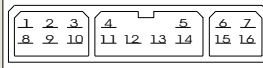
**BUJIAS
GLOWPLUGS
BOUGIES**

DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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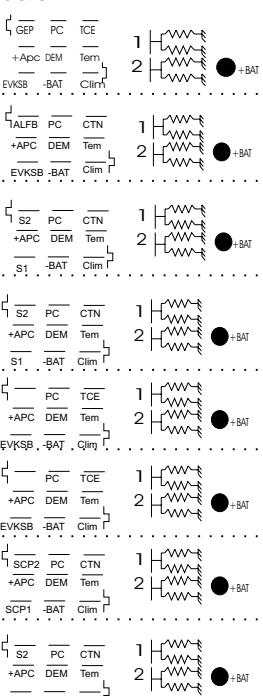
NISSAN (Vannette aligerada) : 3 "

	TEMP. PRECALENTAMIENTO PROTEGIDO CONTRA CORTO- CIRCUITOS Y SOBRETENSIONES PRE-HEATING TIMER PROTECTED AGAINST SHORT- CIRCUITS AND OVERVOLTAGES	03355	TPD/7-12	C	12 V 280 A	
	TEMP. DE PRECHAUFFAGE PROTÉGÉ CONTRE COURT- CIRCUITS ET SURTENSIONS					

NISSAN (Vannette, Trade) : 1,5 "

	TEMP. DE PRE Y POSTCALENTADO PRE AND POST-HEATING TIMER	03801	ULD/15-12	C	12 V 280 A	
	TEMP. DE PRE ET POST -CHAUFFAGE Sustituye a UCM/15-12 Y UCM/16-12 Replace Remplace					

RENAULT (VARIOS VEHICULOS Y MOTORES)

	TEMP. DE PRE Y POSTCALENTADO PRE AND POST-HEATING TIMER	(R19, R21, CLIO, SAFRANE) Motor:J8S, F8Q ct.	03413	TRM/12-12	C	12 V	
		03561	TRMA/12-12	C	12 V		
		(LAGUNA) Motor:G8T706	03758	TRMC/12-12	C	12 V	
		(MEGANE) Motor:F8Q, 620, 646	03759	TRMF/12-12	C	12 V	
		Motor:F8Q, 206, 610, 768 Turbo Diesel	03084	TRMI/12-12	C	12 V	
		Motor:F8Q, 206, 610, 768 Turbo Diesel	03053	TRMK/12-12	C	12 V	
		Motor:F8Q, 714, 764	03085	TRMP/12-12	C	12 V	
		Motor:F8Q, 672, 676	03057	TRMR/12-12	C	12 V	
		Motor:S8V, 770	03147	TRMS/12-12	C	12 V	
		TEMP. DE PRE ET POST -CHAUFFAGE					

Temporizadores de Pre calentamiento

Pre-Heating timers for diesel engines


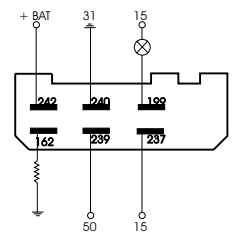

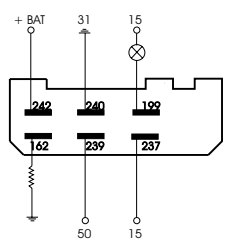
Temporisateurs de Pre-Chauffage pour moteurs diesel



ANTORCHAS
FLAMES
TORCHES

DESCRIPCIÓN DESCRIPTION DESIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE REFERENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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NISSAN : 12".

	TEMP. DE PRECALENTADO	03210	TLAC/6-12	C	12 V	
	<i>PRE -HEATING TIMER</i> <i>TEMP. PRE -CHAUFFAGE</i>					
	TEMP. DE PRECALENTADO	03289	TLA/6-12	C	12 V	
	<i>PRE -HEATING TIMER</i> <i>TEMP. PRE -CHAUFFAGE</i>	03458	TLA/6-24	C	24 V	

Temporizadores de Pre y Post calentamiento


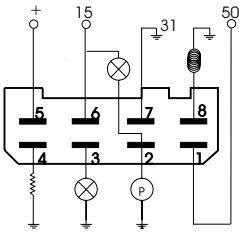
Pre and Post-Heating timers for diesel engines

Temporisateurs de Pre et Post-Chauffage pour moteurs diesel


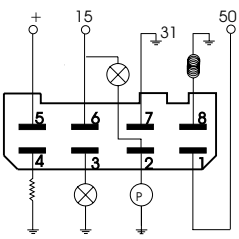


ANTORCHAS
FLAMES
TORCHES

NISSAN : 15".

	TEMP. DE PRE Y POSTCALENTADO PARA UNA ANTORCHA	03411	TPP/8-12	C	12 V	
	<i>PRE AND POST-HEATING TIMER FOR ONE FLAME TYPE</i> <i>TEMP. PRE ET POST -CHAUFFAGE POUR UNE TORCHE</i>					

EBRO-KUBOTA : 35".

	TEMP. DE PRE Y POSTCALENTADO PARA UNA ANTORCHA	03826	TPK/8-12	C	12 V	
	<i>PRE AND POST-HEATING TIMER FOR ONE FLAME TYPE</i> <i>TEMP. PRE ET POST -CHAUFFAGE POUR UNE TORCHE</i>					

Temporizadores de Pre y Postcalentamiento

Pre and Post-Heating timers for diesel engines

Temporisateurs de Pre et Post-Chauffage pour moteurs diesel



ANTORCHAS
FLAMES
TORCHES

	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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IVECO-PEGASO

	TEMP. DE PRE Y POSTCALENTADO PARA UNA ANTORCHA <i>PRE AND POST-HEATING TIMER FOR ONE FLAME TYPE</i>	03820	TIU/10-12	C	12 V	
	<i>TEMP. PRE ET POST -CHAUFFAGE POUR UNE TORCHE</i>	03821	TIU/10-24	C	24 V	

	TEMP. DE PRE Y POSTCALENTADO PARA DOS ANTORCHAS <i>PRE AND POST-HEATING TIMER FOR TWO FLAMES TYPE</i>	03822	TID/10-24	C	24 V	
	<i>TEMP. PRE ET POST -CHAUFFAGE POUR DEUX TORCHES</i>					

NISSAN

	TEMP. DE PRE Y POSTCALENTADO PARA UNA ANTORCHA <i>PRE AND POST-HEATING TIMER FOR ONE FLAME TYPE</i>	03823	TNU/9-12	C	12 V	
	<i>TEMP. PRE ET POST -CHAUFFAGE POUR UNE TORCHE</i>	03781	TNU/9-24	C	24 V	

	TEMP. DE PRE Y POSTCALENTADO PARA DOS ANTORCHAS <i>PRE AND POST-HEATING TIMER FOR TWO FLAMES TYPE</i>	03824	TND/10-12	C	12 V	
	<i>TEMP. PRE ET POST -CHAUFFAGE POUR DEUX TORCHES</i>	03825	TND/10-24	C	24 V	

Temporizadores de Pre y Postcalentamiento
Pre and Post-Heating timers for diesel engines
Temporisateurs de Pre et Post-Chauffage pour moteurs diesel



DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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OPEL: Ascona 1.6, Astra 1.7D, Kadett 1.6 y 1.7D, Omega 2.3, Senator 2.3, Vectra 1.7D
 SEAT, AUDI, VW
 FORD

	TEMP. DE PRECALENTADO <i>PRE -HEATING TIMER</i> <i>TEMP. PRE -CHAUFFAGE</i>	03002	TPF/6-12	A	12 V	
	TEMP. DE PRE Y POSTCALENTADO <i>PRE AND POST-HEATING TIMER</i>	03008	TPPF/6-12	A	12 V	
	TEMP. PRE ET POST-CHAUFFAGE	03016	TPPSS/7-12	-	12 V	

CITRÖEN, PEUGEOT

	TEMP. DE PRE Y POSTCALENTADO <i>PRE AND POST-HEATING TIMER</i>	03672	PPC/5-12	C	12 V	
	TEMP. PRE ET POST -CHAUFFAGE	03678	PPC/7-12	C	160 ± 20Amp.	

Reles Activación Bujías Pre calentamiento
Activation Glow-Plugs Relay
Relai Activation Bougies Prechauffage

RENAULT

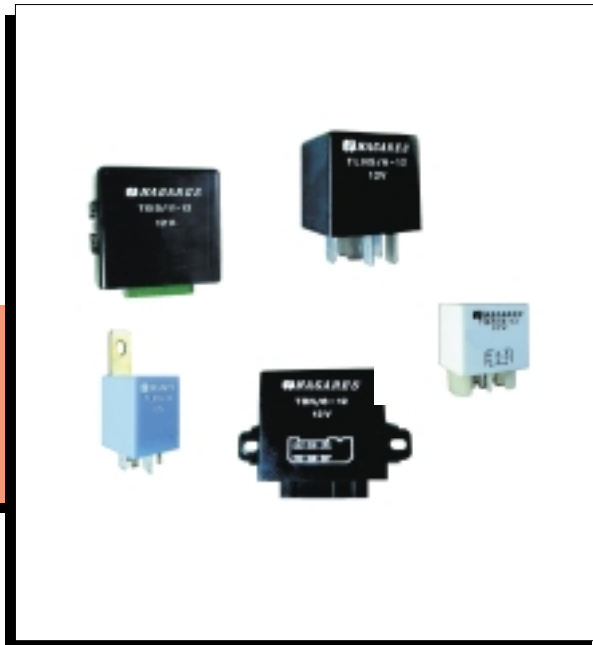
	RELE MECANICO DE PRECALENT. BUJIAS DIESEL. PROTEC. C.C.	03773	RTP/6-12	C	12 V	
	ACTIVATION GLOW-PLUGS MECHANICAL RELAY, WITH PROTECTION S.C. <i>RELAY MECANIQUE ACTIVATION BOUGIES PRECHUFFAGE, AVEC PROTECTION C.C.</i>					

RENAULT (CLIO, MEGANE, TRAFIC, SPACE) Motores: F8K 630, F9K G9T

	RELE ESTADO SOLIDO DE PRECALENT. BUJIAS DIESEL. PROTEC. C.C.	03080	BRE/5-12	C	12 V	
	ACTIVATION GLOW-PLUGS SOLID STATE RELAY, WITH PROTECTION S.C. <i>RELAY ÉTAT SOLIDE ACTIVATION BOUGIES PRECHUFFAGE, AVEC PROTECTION C.C.</i>	03056	BRE/6-12	C	12 V	

CITRÖËN, PEUGEOT

	RELE MECANICO DE PRECALENT. BUJIAS DIESEL. PROTEC. C.C.	03076	CEP/6-12	C	12 V	
	ACTIVATION GLOW-PLUGS MECHANICAL RELAY, WITH PROTECTION S.C. <i>RELAY MECANIQUE ACTIVATION BOUGIES PRECHUFFAGE, AVEC PROTECTION C.C.</i>					



**TEMPORIZADORES VARIOS
DIVERSE TIMERS
TEMPORISATEURS DIVERS**

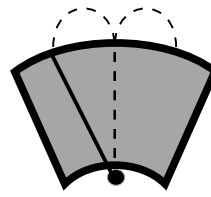
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Limpiaparabrisas/ Windshield wiper/ Essuie-vitre	26
Blocapuestas/ Door lock/ Blocage de portes	28
Luneta térmica/ Heated rear window/ Lunette arrière chauffante	28
Luz interior/ Interior light/ Lumière d'intérieur	28

TEMPORIZADORES VARIOS/ DIVERSE TIMERS/ DIVERS TEMPORISATEURS

Limpiaparabrisas

Windshield wiper

Essuie-vitre



	DESCRIPCIÓN DESCRIPTION DESIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE REFERENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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CITRÖEN, PEUGEOT, TALBOT

	TEMPORIZADOR LIMPIAPARABRISAS	03787	TLP/6-12 Delantero Front Avant	A	12 V	
	WINDSHIELD WIPER TIMER	03782	TLPS/6-12	-		
	TEMPORISATEUR D'ESSUIE VITRE	03764	LTP/6-12 Trasero Rear Arrier	C		

CITRÖEN : AX

	TEMPORIZADOR LIMPIAPARABRISAS (DELANTERO)	03857	TLAX/4-12	-	12 V	
	WINDSHIELD WIPER TIMER (FRONT)					
	TEMPORISATEUR D'ESSUIE VITRE (AVANT)					

RENAULT : R-9, R-11, R-18, R-19, R-21, S-5, CLIO

	TEMPORIZADOR LIMPIAPARABRISAS	03828	TAV/6-12 Delantero Front Avant	C	12 V	
	WINDSHIELD WIPER TIMER	03829	TAR/6-12 Trasero Rear Arrier	C		
	TEMPORISATEUR D'ESSUIE VITRE					

FORD : FIESTA85, FIESTA89, ESCORT86, ORION86

	TEMPORIZADOR LIMPIAPARABRISAS (DELANTERO)	03858	TLFS/4-12	-	12V	
	WINDSHIELD WIPER TIMER (FRONT)					
	TEMPORISATEUR D'ESSUIE VITRE (AVANT)					

OPEL : CORSA, KADETT, VECTRA

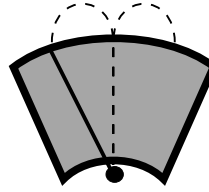
	TEMPORIZADOR LIMPIAPARABRISAS (DELANTERO)	03851	TLOD/6-12	-	12V	
	WINDSHIELD WIPER TIMER (FRONT)					
	TEMPORISATEUR D'ESSUIE VITRE (AVANT)					

TEMPORIZADORES VARIOS/ DIVERSE TIMERS/ DIVERS TEMPORISATEURS

Limpiaparabrisas

Windshield wiper

Essuie-vitre



	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PÂTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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NISSAN

	TEMPORIZADOR LIMPIAPARABRISAS (DELANTERO)	03238	TLM/5-12	-	12 V	
	WINDSHIELD WIPER TIMER (FRONT)					
	TEMPORISATEUR D'ESSUIE VITRE (AVANT)	03783	TLMS/5-24	-	24 V	
	TEMPORIZADOR LIMPIAPARABRISAS (DELANTERO)	03830	TLNS/6-12	-	12 V	
	WINDSHIELD WIPER TIMER (FRONT)					
	TEMPORISATEUR D'ESSUIE VITRE (AVANT)	03043	TLNS/6-24	-	24 V	

IVECO-PEGASO

	TEMPORIZADOR LIMPIAPARABRISAS (DELANTERO)	03327	TLM/6-24	C	24 V	
	WINDSHIELD WIPER TIMER (FRONT)					
	TEMPORISATEUR D'ESSUIE VITRE (AVANT)					
	TEMPORIZADOR LIMPIAPARABRISAS (DELANTERO)	03831	TLI/6-24	-	24 V	
	WINDSHIELD WIPERS TIMER (FRONT)					
	TEMPORISATEUR D'ESSUIE VITRE (AVANT)					

Temporizadores

Timers

Temporisateurs

IVECO, NISSAN

	TEMPORIZADOR 7 "	03695	TL/3-12	-	12 V	
	TIMER 7"					
	TEMPORISATEUR 7"					
		03296	TL/3-24	-	24 V	

TEMPORIZADORES VARIOS/ DIVERSE TIMERS/ DIVERS TEMPORISATEURS

Temporizador Blocapuestas Door Lock Timer Temporisateur Blocage de Portes



DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PÂTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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RENAULT : R-9, R-11, R-18, R-19, R-21, S-5, EXPRESS, CLIO

	TEMPORIZADOR BLOCAPUERTAS					
	DOOR LOCK TIMER	03417	TBR/6-12	-	12V	
	TEMPORISATEUR BLOCAGE PORTES					

NISSAN

	TEMPORIZADOR BLOCAPUERTAS					
	DOOR LOCK TIMER	03832	TBN/6-12	C	12 V	
	TEMPORISATEUR BLOCAGE PORTES					

SUZUKI : VITARA (HASTA ABRIL '95/ UNTIL APRIL '95/ JUSQU'A AVRIL '95)

	TEMPORIZADOR BLOCAPUERTAS						
	DOOR LOCK TIMER	03834	TBS/11-12	-	12 V		
							(3 PUERTAS/ DOORS/ PORTES))
	TEMPORISATEUR BLOCAGE PORTES	03776	TBS/12-12	-	12 V		
							(5 PUERTAS/ DOORS/ PORTES))
							(A PARTIR DE '95/ SINCE APRIL '95/ A PARTIR D'AVRIL '95)
	TEMPORIZADOR BLOCAPUERTAS						
DOOR LOCK TIMER	03775	MLM/10-12	-	12 V			
					(3 PUERTAS/ DOORS/ PORTES))		
	TEMPORISATEUR BLOCAGE PORTES	03772	MLA/10-12	-	12 V		
						(5 PUERTAS/ DOORS/ PORTES))	

Temporizador Luneta Térmica

Heated Rear Window Timer
Temporisateur Lunette Arrière Chauffante



CITRÖEN, PEUGEOT, TALBOT

	TEMPORIZADOR LUNETTA TERMICA					
	HEATED REAR WINDOW TIMER	03777	TLT/5-12	-	12 V	
	TEMPORISATEUR LUNETTE ARRIÈRE CHAUFFANTE					

Temporizador Luz Interior

Interior Light Timer
Temporisateur Lumière d'interieur



UNIVERSAL/ STANDARD

	TEMPORIZADOR LUZ INTERIOR					
	INTERIOR LIGHT TIMER	03237	TLM/4-12	-	12 V	
	TEMPORISATEUR LUMIÈRE D'INTERIEUR					

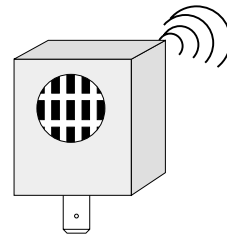


**VARIOS
MISCELLANEOUS
DIVERS**

	Pág.
Avisadores acústicos/ Acoustic Warning Devices/ Advertisseurs Acoustiques	30
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Convertidores/ Converters/ Convertisseurs 24 -12 V.	31
Relés elevalunas/ Electric windows relay/ Relai leve-vitre	31
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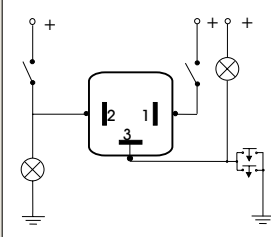
VARIOS/ MISCELLANEOUS/ DIVERS

Avisadores Acústicos Electrónicos Acoustic Warning Devices Advertisseurs Acoustiques Electroniques


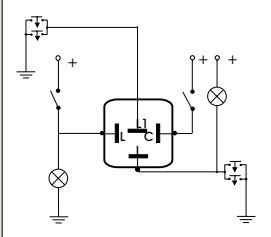


DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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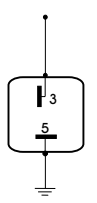
NISSAN, RENAULT : R-5, R-9, R-11, R-18, R-19, CLIO

	AVISADOR ACUSTICO OLVIDO LUCES	02231	RZE/3-12	-	12 V 72 dB.	
	ACOUSTIC ELEC. WARNING, LIGHTS ON REMINDER					
	ADVERTISSEUR ACOUSTIQUE ELECT., OUBLIE LUMIERES	02784	RZE/3-24	-	24 V 72 dB.	


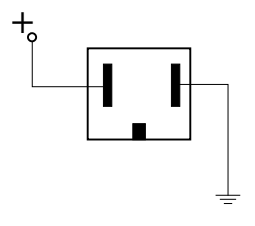
RENAULT : R-21

	AVISADOR ACUSTICO OLVIDO LUCES	02416	RZE/4-12	-	12 V 72 dB.	
	ACOUSTIC ELEC. WARNING, LIGHTS ON REMINDER					
	ADVERTISSEUR ACOUSTIQUE ELECT., OUBLIE LUMIERES					

UNIVERSAL / STANDARD

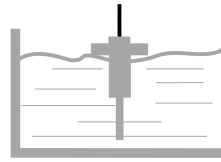
	AVISADOR ACUSTICO	02859	RZE/2-12	C	12 V 72 dB.	
	ACOUSTIC ELEC. WARNING					
	ADVERTISSEUR ACOUSTIQUE ELECT.	02314	RZE/2-24	C	24 V 72 dB.	

UNIVERSAL / STANDARD

	RELE ZUMBADOR	02694	AVE/2-12	C	12 V 86 dB.	
	BUZZER RELAY					
	RELAJ BRUIEUR	02695	AVE/2-24	C	24 V 86 dB.	

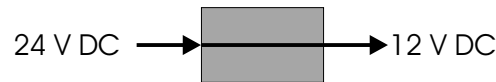
VARIOS/ MISCELLANEOUS/ DIVERS

Niveles de Agua Water-level Sensors Niveau D'eau



	DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
	RELE ELEC. NIVEL DE AGUA	02399	REA/4-12	-	12 V	
	WATER-LEVEL ELECT. RELAY				Max. 5 W.	
	RELE ELEC. NIVEL DE AGUA	02236	REA/4-24	-	24 V	
	WATER-LEVEL ELECT. RELAY				Max. 5 W.	
	RELE ELEC. NIVEL DE AGUA	02028	REA/5-12	-	12 V	
	WATER-LEVEL ELECT. RELAY				Max. 5 W.	
	RELE ELEC. NIVEL DE AGUA	02151	REA/5-25	-	24 V	
	WATER-LEVEL ELECT. RELAY				Max. 5 W.	

Convertidor Converter Convertisseur



	PROTEGIDO CONTRA CORTOCIRCUITOS Y CAMBIOS DE POLARIDAD <i>PROTECTED AGAINST SHORT-CIRCUITS AND POLARITY INVERSIONS</i> <i>PROTÉGÉ CONTRE COURT-CIRCUITS ET INVERSIONS DE POLARITÉ</i>	04694	CDC3/24-12	C	3A. Max.	
	PROTEGIDO CONTRA CORTOCIRCUITOS Y CAMBIOS DE POLARIDAD <i>PROTECTED AGAINST SHORT-CIRCUITS AND POLARITY INVERSIONS</i> <i>PROTÉGÉ CONTRE COURT-CIRCUITS ET INVERSIONS DE POLARITÉ</i>	04940	CDC20/24-12	C	20 A. Max.	

Rele Elevallas Electric windows relay Relai lève-vitre




	RELE ELEVALLAS	02183	REV/11-12	C	12 V	
	ELECTRIC WINDOWS RELAY					
	RELE ELEVALLAS	02185	REV/11-24	C	24 V	
	ELECTRIC WINDOWS RELAY					

VARIOS / MISCELLANEOUS / DIVERS


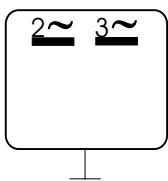
Otros Others Autres

DESCRIPCIÓN DESCRIPTION DÉSIGNATION	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE	SOPORTE BRACKET PATTE	TENSIÓN VOLTAGE TENSION	CONEXIONES CONNECTIONS CONNEXIONS
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CENTRAL DE TIEMPOS/TIMING CENTRAL/CENTRALE DE TEMPS (PEGASO TRONER)

	- FUNCIONES/FUNCTIONS/FONCTIONS - Intermitencias/Flashers/Centrales clignotantes - Warning/Hazard Warning Light/Warning - Limpia Parabrisas/Windshield Wiper/Essuie-glaces - Lavalunas /Windshield washer / Lave-glaces - Lavafaros /Headlight washer / Lave-phares	05477	CTP/24-24	C	24 V	
						Sustituye a CTP/20-24 Replace Remplace


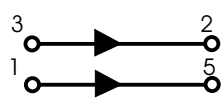
VESPA

	REGULADOR DE TENSION					
	VOLTAGE REGULATOR	04362	RGU/2-A	-	12 V 8,5 A	
	RÉGULATEUR DE TENSION					

PEGASO

	PULSADOR DE ARRANQUE Protegido contra cortocircuitos			METALICO		
	STARTER PUSHBUTTON Protected against short-circuits	04160	PR-24	METAL	24 V/40 A	
	PULSATEUR DE DEMARRAGE Protégé contre court-circuits			METALLIQUE		

EBRO KUBOTA

	CAJA PORTA DIODOS					
	DIODE BOX	04365	NPD/4-12	C	12 V	
	BOITIER PORTE-DIODE					

**LISTA DE CONFRONTACION COMPETIDORES
COMPETITORS CROSS REFERENCE LIST
LISTE DE CORRESPONDANCE DE CONCURRENTS**

**LISTA DE CONFRONTACION CONSTRUCTORES
MANUFACTURERS CROSS REFERENCE LIST
LISTE DE CORRESPONDANCE DE CONSTRUCTEURS**

**LISTA DE CONFRONTACION COMPETIDORES
COMPETITORS CROSS REFERENCE LIST
LISTE DE CORRESPONDANCE DE CONCURRENTS**



TEMPORIZADORES - AFECTACION POR MARCAS
TIMERS - MARKS APPLICATIONS
TEMPORISATEURS - AFFECTATIONS PAR MARQUE

TEMPORIZADORES / TIMERS / TEMPORISATEURS



Afectación por marcas y tipos de vehículos

Vehicle marks and models applications

Affectations par marque et type de véhicule

CONSTRUCTORES MANUFACTURER CONSTRUCTEUR	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE		
CITROËN	03239	TPD/5-12	AX	87 ▶
			BX	7.83 ▶
			C 15	11.84 ▶
	03241	TPD/12-12	VISA	3.84 ▶
			CX	7.79 ▶
			C25-C35	7.79 ▶
PEUGEOT	03239	TPD/5-12	205	10.83 ▶
			305,504,505,604	7.81 ▶
			309	7.86 ▶
			405	87 ▶
			J7,J9	7.81 ▶
	03241	TPD/12-12	305,504,505,604	7.78 ▶ 6.81
			J7,J9	7.78 ▶ 6.81
			504 PLATEAU	▶ 6.78
RENAULT	03240	TPD/6-12	R 5,R 9,R 11,R 25	12.82 ▶
			R 18,R 20,R 30	12.83 ▶
			R 21	86 ▶
			R 25	84 ▶
			TRAFIC	1.82 ▶
	03413	TRM/12-12	R 19 GTD	7.88 ▶
			R 21	6.89 ▶
			R 25	6.88 ▶
			CLIO	91 ▶
FIAT	03241	TPD/12-12	ARGENTA 2500 D	▶ 5.83
			FIORINO D	▶ 10.82
			MAREGMO 2500 D	▶ 9.83
			REGATA D	▶ 82
			RITMO D	▶ 9.82
			127 D	▶ 10.82
			131	▶ 1.84
			132	▶ 5.81
DAYLY	▶ 12.82			

Afectación por marcas y tipos de vehículos Vehicle marks and models applications Affectations par marque et type de véhicule

CONSTRUCTORES MANUFACTURER CONSTRUCTEUR	CÓDIGO CODE CODE	REFERENCIA REFERENCE RÉFÉRENCE		
FIAT	03239	TPD/5-12	ARGENTA 2500 D	6.83 ▶
			FIORINO D	11.82 ▶
			PANDA D	3.86 ▶
			REGATA D	9.83 ▶
			RITMO D	10.82 ▶
			UNO D	6.83 ▶
			127 D	11.82 ▶
			131 Y 132	84 ▶
			DAYLY	84 ▶
SEAT	03241	TPD/12-12	RITMO	▶ 9.82
			RONDA D	10.82 ▶
			131 D	6.82 ▶
			132 D	▶ 5.82
	03241	TPD/12-12	IBIZA D	8.84 ▶
			MALAGA	85 ▶
			RITMO D	10.82 ▶
NISSAN	03239	TPD/5-12	PATROL	
			TRADE 28	
			LA-45 (truck)	
	03355	TPD/7-12	LIGHT VANNETTE	
	02801	ULD/15-12	VANETTE	
TRADE 2.0				



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Catálogo Julio 2001