

DOGA

EQUIPOS LIMPIAPARABRISAS
WINDSHIELD WIPER SYSTEMS
EQUIPEMENTS ESSUIE-GLACE
SCHEIBENWISCHERANLAGEN

mar
WGL

sea
269

mer
WGL

see
266



DOGA



mar

sea

DOGA

mer

see

DOGA presenta su gama de sistemas limpia-parabrisas estándar para embarcaciones. Todos los elementos incorporan materiales anticorrosivos especiales para náutica.

Los brazos y las escobillas pueden ser en acabados inoxidable o negro.

A solicitud de los astilleros, DOGA propone equipos especiales específicos para satisfacer las necesidades requeridas.

DOGA ofrece también una amplia gama de lavaparabrisas que completa la oferta de equipos limpiaparabrisas para embarcaciones.

DOGA présente sa gamme de lave glaces standards pour bateaux. Tous nos articles sont anti-corrosifs spécialement étudiés pour le nautique.

Les balais et les bras peuvent avoir une finition inoxydable ou noire.

Pour répondre à la demande des chantiers navals, DOGA propose des équipements spécifiques et spécialement étudiés pour satisfaire toutes les exigences.

DOGA propose également un vaste choix de lave-glace qui vient compléter l'offre des équipements essuie-glace pour bateaux.

Doga is grateful to show you our range of marine wiper system. All the elements are made with special anti-corrosion materials.

The arms and blades are available in stainless steel or black finish.

DOGA will quote custom made systems for your specific requirements.

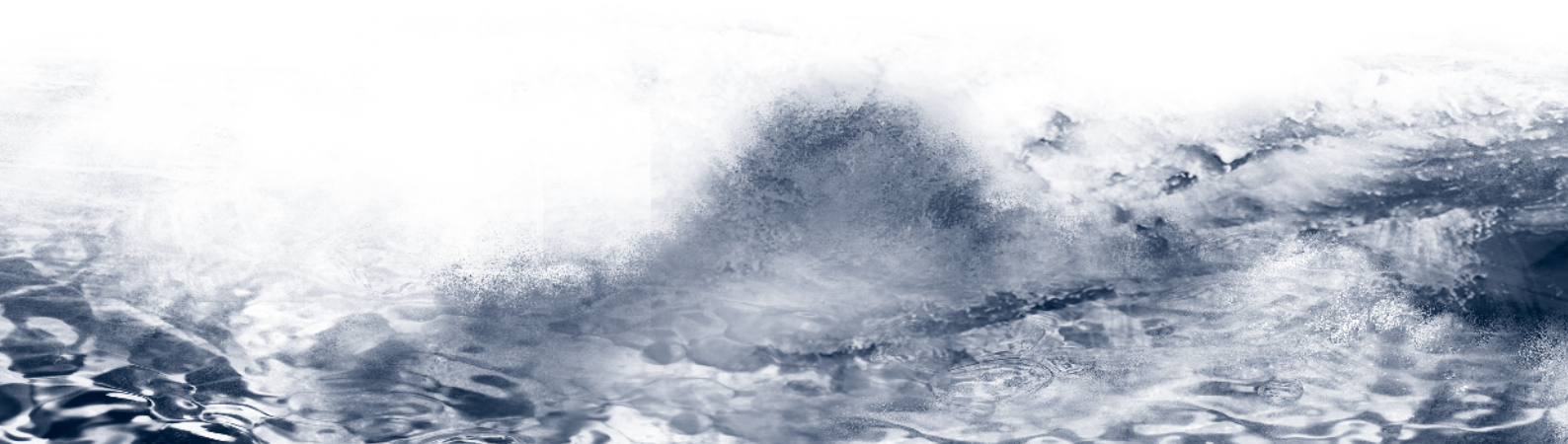
DOGA marine wiper systems are available with a wide range of washer systems.

DOGA stellt eine neue Serie von Standard-Scheibenwischersystemen für Schiffe vor. Alle Bauteile werden aus korrosionsgeschützten Materialien hergestellt, die speziell für Nautikanwendungen ausgelegt sind.

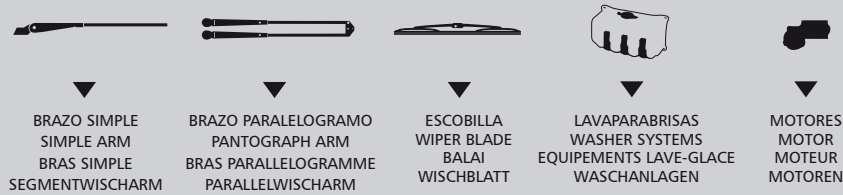
Die Wischerarme und Wischerblätter gibt es aus rostfreiem Metall oder als schwarz lackierte Variante.

Um den Anforderungen der Bootsbauer gerecht zu werden, bietet DOGA eine besondere Produktpalette an.

DOGA bietet als gute Ergänzung auch eine Auswahl an Bauteilen für Scheibenwaschsysteme.



simbolos - symbols - symboles - Zeichenerklärung



COLOR

COULEUR

FARBE

1

Acabado en acero inoxidable
 Stainless steel finish
 Finition en acier inoxydable
 Oberfläche Edelstahl

6

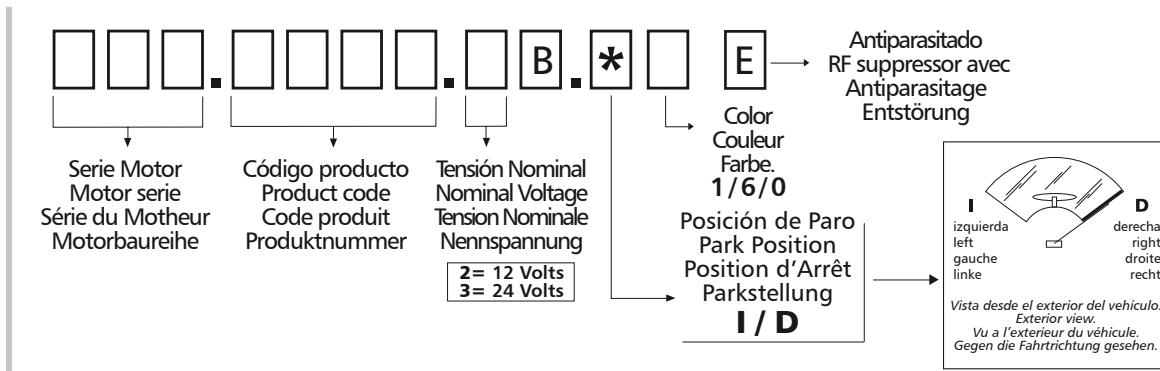
Acabado en acero inoxidable negro
 Stainless steel black finish
 Finition en acier inoxydable noir
 Oberfläche Edelstahl, schwarz

0

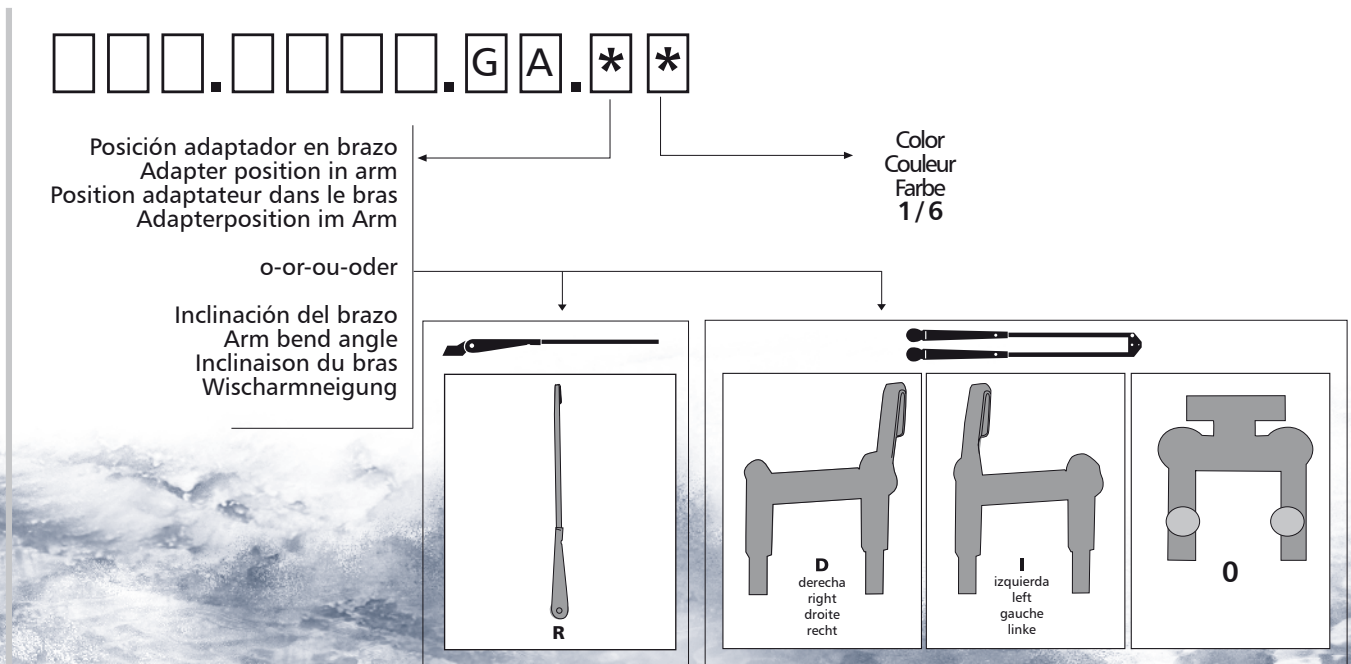
Sin pintar
 Not painted
 Sans peinture
 Unlackiert


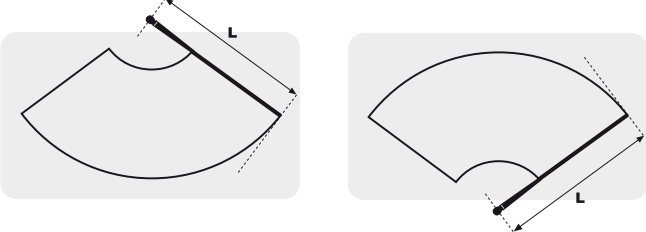

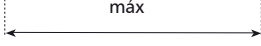

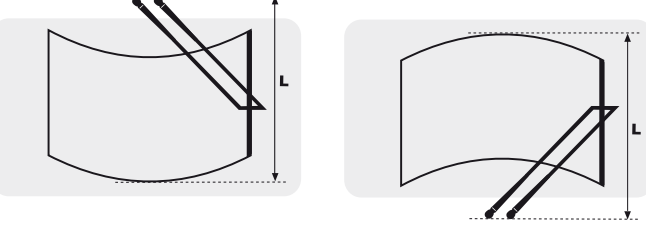



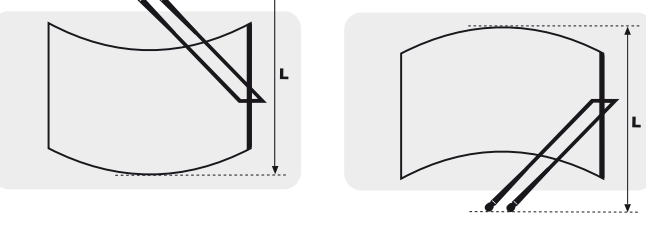



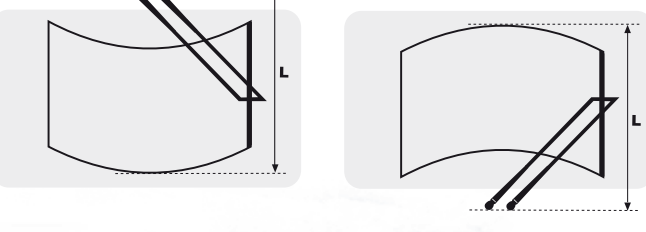


INTERPRETACIÓN DE REFERENCIAS
 REFERENCES INTERPRÉTATION
 INTERPRÉTATION DES RÉFÉRENCES
 SACHNUMMERNESCHLÜSSEL

MOTORES LIMPIAPARABRISAS - WINDSHIELD WIPER MOTORS - MOTEURS ESSUIE-GLACE - SCHEIBENWISCHERMOTOREN



BRAZOS Y ESCOBILLAS LIMPIAPARABRISAS - WINDSHIELD WIPER ARMS AND WIPER BLADES
 BRAS ET BALAIS ESSUIE-GLACE - SCHEIBENWISCHERARME UND SCHEIBENWISCHERBLÄTTER



| BRAZOS ARMS BRAS WISCHARM | MOTOR MOTOR MOTEUR MOTORBAUREIHE | BARRIDO CON BRAZOS SIMPLES WIPING AREA WITH SIMPLE ARMS BALAYAGE AVEC BRAS SIMPLES WISCHFELD MIT SEGMENTWISCHARM | LONGITUD MÁXIMA MAXIMUM LENGTH LONGEUR MAXI MAXIMALE LÄNGE |
|--|--|---|--|
|  | <p>316</p> <p>VELOCIDAD EJE OSCILANTE ROTATIONAL SPEED VITESSE AXE OSCILLANT DREHZAHL DER PENDELACHSE</p> <p>1 50</p> |  | <p>L =  mm</p> <p>L =  750 máx</p> |
| <p>BARRIDO CON BRAZOS PARALELOS WIPING AREA WITH PANTOGRAPH ARMS BALAYAGE AVEC BRAS PARALLELOGRAMME WISCHFELD MIT PARALLELOGRAMMWISCHARM</p> | | | |
|  | <p>316</p> <p>VELOCIDAD EJE OSCILANTE ROTATIONAL SPEED VITESSE AXE OSCILLANT DREHZAHL DER PENDELACHSE</p> <p>1 50</p> |  | <p>L =  mm</p> <p>L =  750 máx</p> |
|  | <p>1111</p> <p>VELOCIDAD EJE OSCILANTE ROTATIONAL SPEED VITESSE AXE OSCILLANT DREHZAHL DER PENDELACHSE</p> <p>2 34/52</p> |  | <p>L =  mm</p> <p>L =  1050 máx</p> |
|  | <p>319</p> <p>VELOCIDAD EJE OSCILANTE ROTATIONAL SPEED VITESSE AXE OSCILLANT DREHZAHL DER PENDELACHSE</p> <p>2 34/52</p> |  | <p>L =  mm</p> <p>L =  1500 máx</p> |

PAR NOMINAL
NOMINAL TORQUE
COUPLE NOMINAL
NENNDREHMOMENT

1,8
Nm

PAR DE ARRANQUE
STALL TORQUE
COUPLE DE DEMARRAGE
ANZUGSMOMENT

10
Nm

EJE - mm
SHAFT - mm
AXE - mm
WELLE - mm

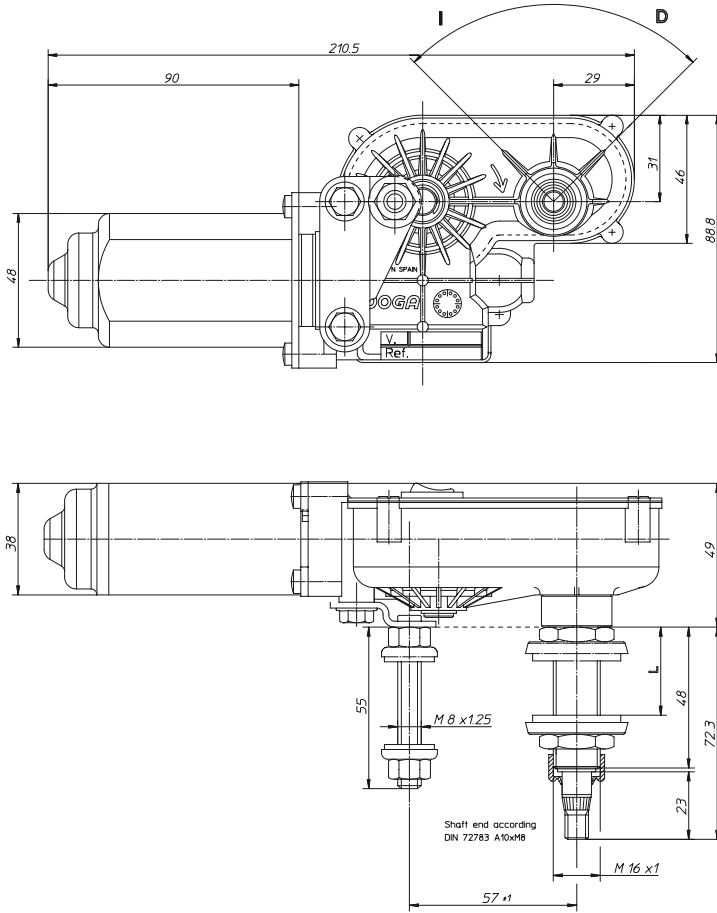
M8

VELOCIDAD EJE OSCILANTE
ROTATIONAL SPEED
VITESSE AXE OSCILLANT
DREHZAHL DER PENDELACHSE

50
x min.



750
máx



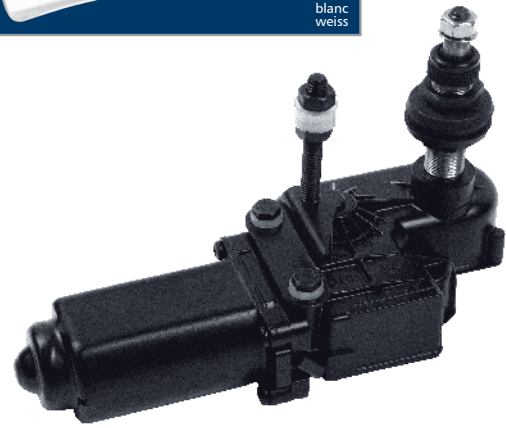
6



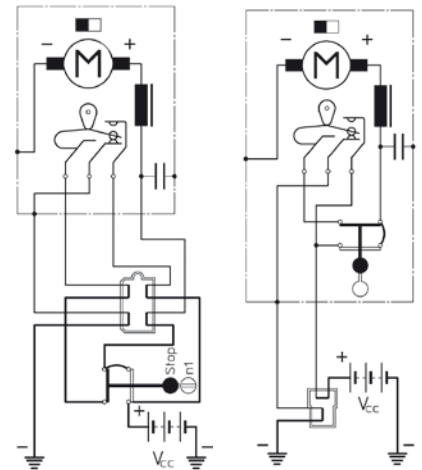
CUBIERTA MOTOR
MOTOR COVER
COUVERTE MOTEUR
MOTORABDECKUNG

ref.316.5002.18.00

blanco
white
blanc
weiss



| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L - mm L - mm L - mm | ANGULO BARRIDO WIPING ANGLE ANGLE DE BALAYAGE WISCHWINKEL | EJE - mm SHAFT - mm AXE - mm WELLE - mm | CICLOS x m CYCLES x m ZICLEN x m | DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER | PARO AUTOMÁTICO AUTOMATIC PARK ARRÊT AUTOMATIQUE PARKSTELLUNG | INTERRUPTOR SWITCH INTERRUPTEUR SCHALTER | VOLTIOS VOLTS VOLTS VOLT | ESQ. ELECTR. WIRING DIAG. SCH. ELECTR. SCHALTBILD | ANTIPARASITADO RFI SUPPRESSOR SANS ANTIPARASITAGE ENTSTÖRUNG |
|--|----------------------------|--|--|--|--|--|---|-----------------------------------|--|---|
| 316.4064.*B.*6 E | 30 | 60° | M8 | 50 | - | • | • | 12/24 | B | • |
| 316.4065.*B.*6 E | 30 | 60° | M8 | 50 | - | • | - | 12/24 | A | • |
| 316.4464.*B.*6 E | 30 | 90° | M8 | 50 | - | • | • | 12/24 | B | • |
| 316.4465.*B.*6 E | 30 | 90° | M8 | 50 | - | • | - | 12/24 | A | • |
| 316.4864.*B.*6 E | 30 | 110° | M8 | 50 | - | • | • | 12/24 | B | • |



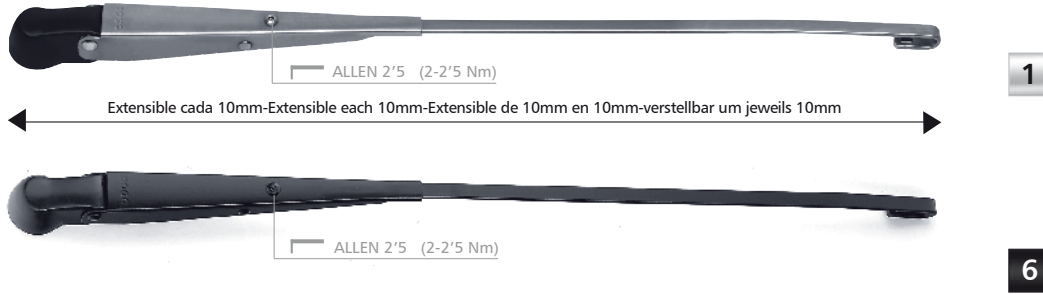
A

SIN INTERRUPTOR
WITHOUT SWITCH
SANS INTERRUPTEUR
OHNE SCHALTER

B

CON INTERRUPTOR
WITH SWITCH
AVEC INTERRUPTEUR
MIT SCHALTER

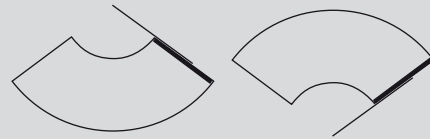
BRAZO SIMPLE - SIMPLE ARM - BRAS SIMPLE - SEGMENTWISCHARM



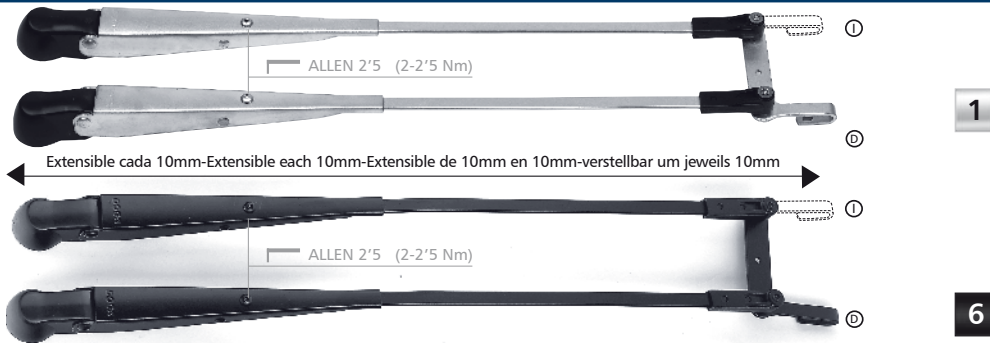
EXTENSIBLES

| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L REGULABLE (mm) L ADAPTABLE (mm) L MOYEN (mm) L VERSTELLBAR (mm) | EJE SHAFT AXE WELLE | CON SURTIDOR WITH NOZZLE AVEC GICLEUR MIT SPRITZDUSE |
|--|--|------------------------------|---|
| 120.4501.GA.R * | 340 → 420 | M8 | - |
| 120.4510.GA.R * | 430 → 500 | M8 | - |

AREA LIMPIADA
WIPING AREA
SURFACE BALAYEE
WISCHFELD



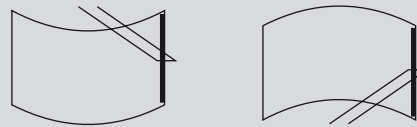
BRAZO PARALELOGRAMO - PANTOGRAPH ARM - BRAS PARALLELOGRAMME - PARALLELWISCHARM



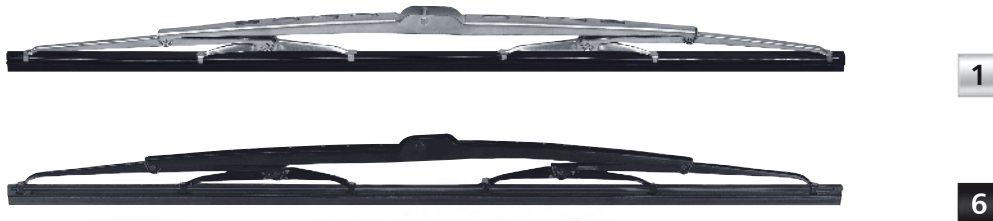
EXTENSIBLES

| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L REGULABLE (mm) L ADAPTABLE (mm) L MOYEN (mm) L VERSTELLBAR (mm) | EJE SHAFT AXE WELLE | CON SURTIDOR WITH NOZZLE AVEC GICLEUR MIT SPRITZDUSE |
|--|--|------------------------------|---|
| 121.0901.GA. ** | 340 → 420 | M8 | - |
| 121.0910.GA. ** | 430 → 500 | M8 | - |

AREA LIMPIADA
WIPING AREA
SURFACE BALAYEE
WISCHFELD



ESCOBILLAS LIMPIAPARABRISAS - WIPER BLADES - BALAIS ESSUIE-GLACE - WISCHBLÄTTER



| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L (mm) L (mm) L (mm) L (mm) | PARA BRAZOS (mm) FOR ARMS (mm) POUR BRAS (mm) FÜR ARME (mm) |
|--|--------------------------------------|--|
| 134.0328.GA.0 * | 280 | 340 → 420 |
| 134.0335.GA.0 * | 350 | 340 → 420 |
| 134.0340.GA.0 * | 400 | 430 → 500 |
| 134.0345.GA.0 * | 450 | 430 → 500 |
| 134.0350.GA.0 * | 500 | 430 → 500 |

PAR NOMINAL
NOMINAL TORQUE
COUPLE NOMINAL
NENNDRHEMMENT

5 Nm

PAR DE ARRANQUE
STALL TORQUE
COUPLE DE DEMARRAGE
ANZUGSMOMENT

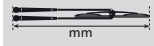
25 Nm

2 EJES MOTRICES - mm
2 DRIVING SHAFT - mm
2 AXES MOTEUR - mm
2 ANTRIEBSWELLE - mm

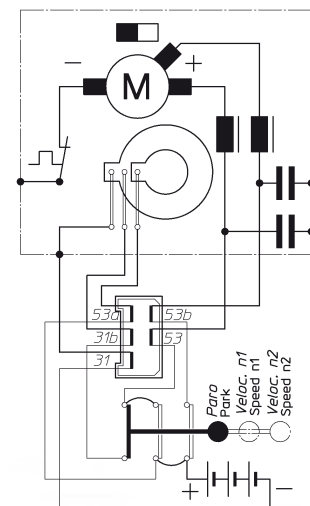
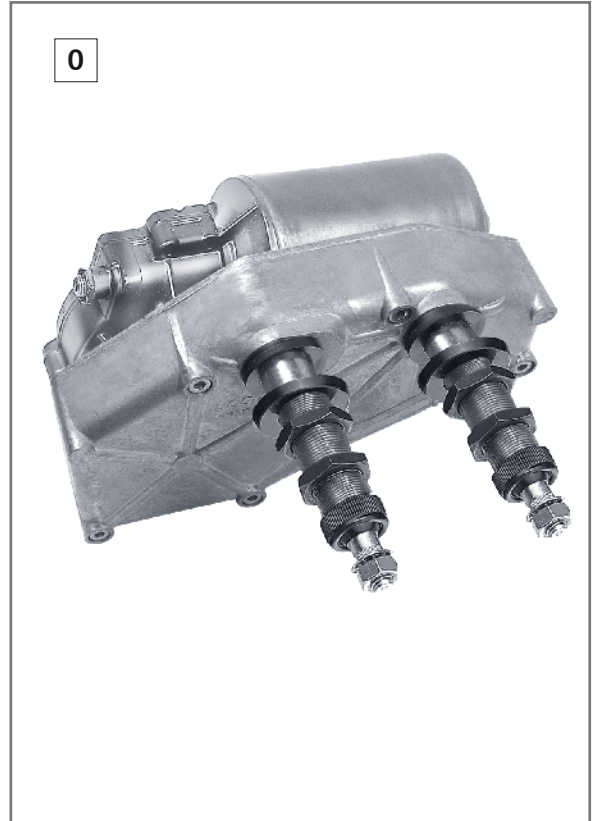
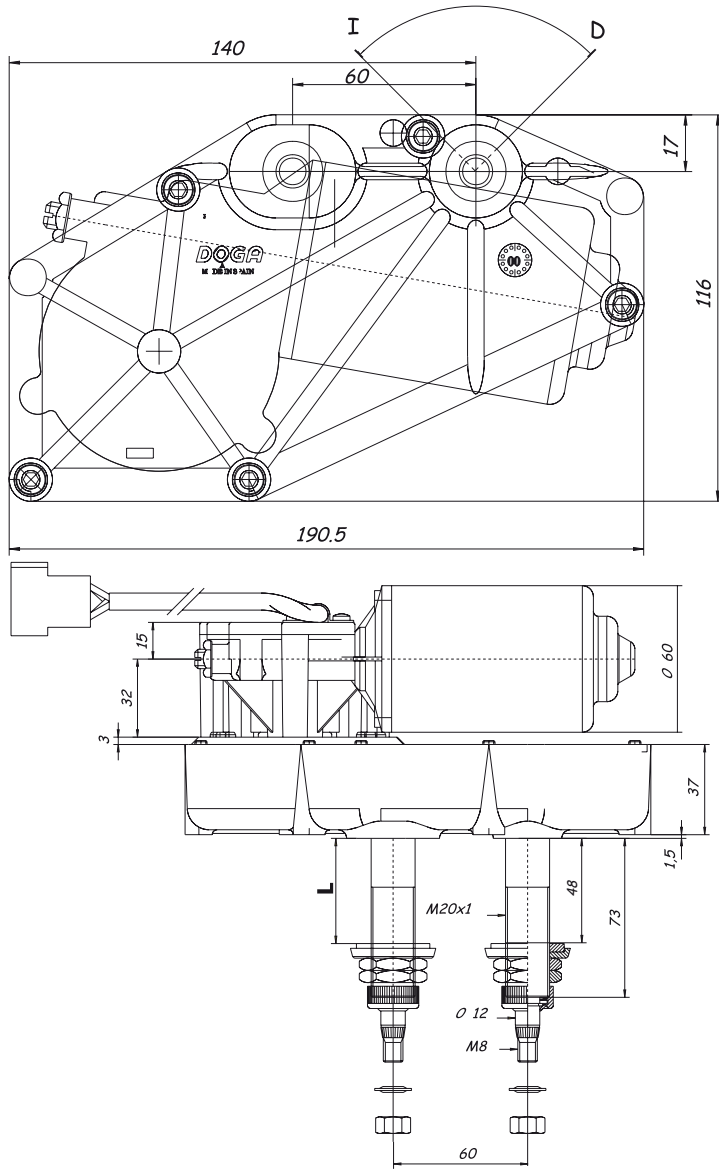
M8

VELOCIDAD EJE OSCILANTE
ROTATIONAL SPEED
VITESSE AXE OSCILLANT
DREHZAHL DER PENDELACHSE

**34/52
x min.**



**1050
máx**



| REFERENCIA PART NUMBER REFERENZNUMMER | L - mm L - mm L - mm L - mm | ÁNGULO BARRIDO WIPING ANGLE ANGLE DE BALAYAGE WISCHWINKEL | EJE - mm SHAFT - mm AXE - mm WELLE - mm | CICLOS x m CYCLES x m ZICLEN x m | DISYUNTOR THERMOSWITCH DISJONCTEUR THERMOSCHALTER | PARO AUTOMÁTICO AUTOMATIC PARK ARRÊT AUTOMATIQUE PARKSTELLUNG | INTERRUPTOR SWITCH INTERRUPTEUR SCHALTER | VOLTIOS VOLTS VOLTS VOLT | ANTIPARASITADO RFI SUPPRESSOR SANS ANTIPARASITAGE ENTSTÖRUNG |
|---|--------------------------------------|--|--|--|--|--|---|-----------------------------------|---|
| 111.9778.*B.*0 E | 48 | 50° | M8 | 34/52 | • | • | - | 12/24 | • |
| 111.9779.*B.*0 E | 48 | 60° | M8 | 34/52 | • | • | - | 12/24 | • |
| 111.9780.*B.*0 E | 48 | 72° | M8 | 34/52 | • | • | - | 12/24 | • |
| 111.9781.*B.*0 E | 48 | 80° | M8 | 34/52 | • | • | - | 12/24 | • |
| 111.9782.*B.*0 E | 48 | 90° | M8 | 34/52 | • | • | - | 12/24 | • |

CON DISYUNTOR, 2 VELOCIDADES Y ANTIPARASITADO
WITH THERMOSWITCH, 2 SPEED AND RF SUPPRESSOR
AVEC DISJONCTEUR, 2 VITESSES ET ANTIPARASITAGE
MIT THERMOSCHALTER, 2 DREHZAHL UND ENTSTÖRUNG

BRAZO PARALELOGRAMO - PANTOGRAPH ARM - BRAS PARALLELOGRAMME - PARALLELWISCHARM



| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L (mm) L (mm) L (mm) L (mm) | EJE SHAFT AXE WELLE | CON SURTIDOR WITH NOZZLE AVEC GICIEUR MIT SPRITZDÜSE |
|--|--------------------------------------|------------------------------|---|
| 128.1951.GA.0 * | 500 | M8 | • |
| 128.1952.GA.0 * | 600 | M8 | • |
| 128.1955.GA.0 * | 700 | M8 | • |

AREA LIMPIADA
WIPING AREA
SURFACE BALAYEE
WISCHFELD

ESCOBILLAS LIMPIAPARABRISAS - WIPER BLADES - BALAIS ESSUIE-GLACE - WISCHBLÄTTER



| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L (mm) L (mm) L (mm) L (mm) |
|--|--------------------------------------|
| 136.2050.GA.0 * | 500 |
| 136.2060.GA.0 * | 600 |
| 136.2070.GA.0 * | 700 |

PAR NOMINAL
NOMINAL TORQUE
COUPLE NOMINAL
NENNDRHEHMOMENT

8
Nm

PAR DE ARRANQUE
STALL TORQUE
COUPLE DE DEMARRAGE
ANZUGSMOMENT

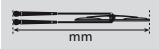
50
Nm

2 EJES MOTRICES - mm
2 DRIVING SHAFT - mm
2 AXES MOTEUR - mm
2 ANTRIEBSWELLE - mm

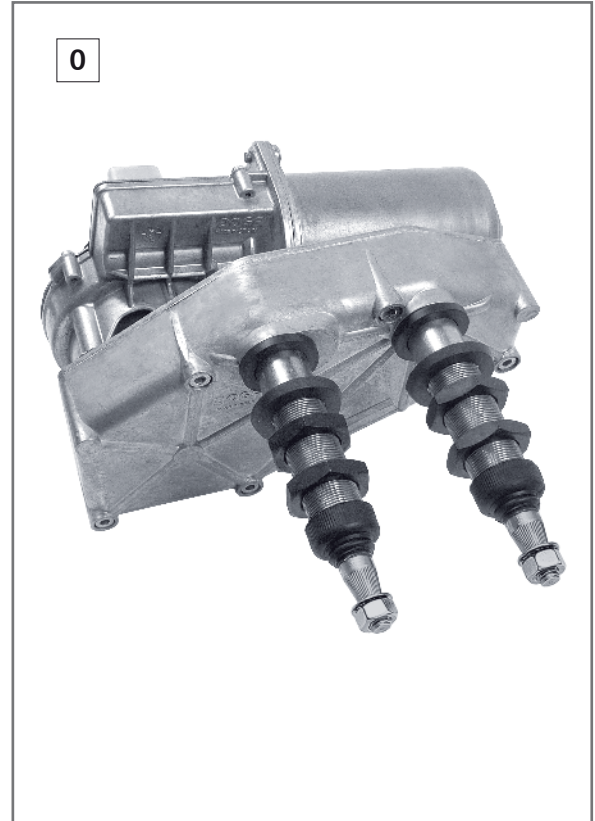
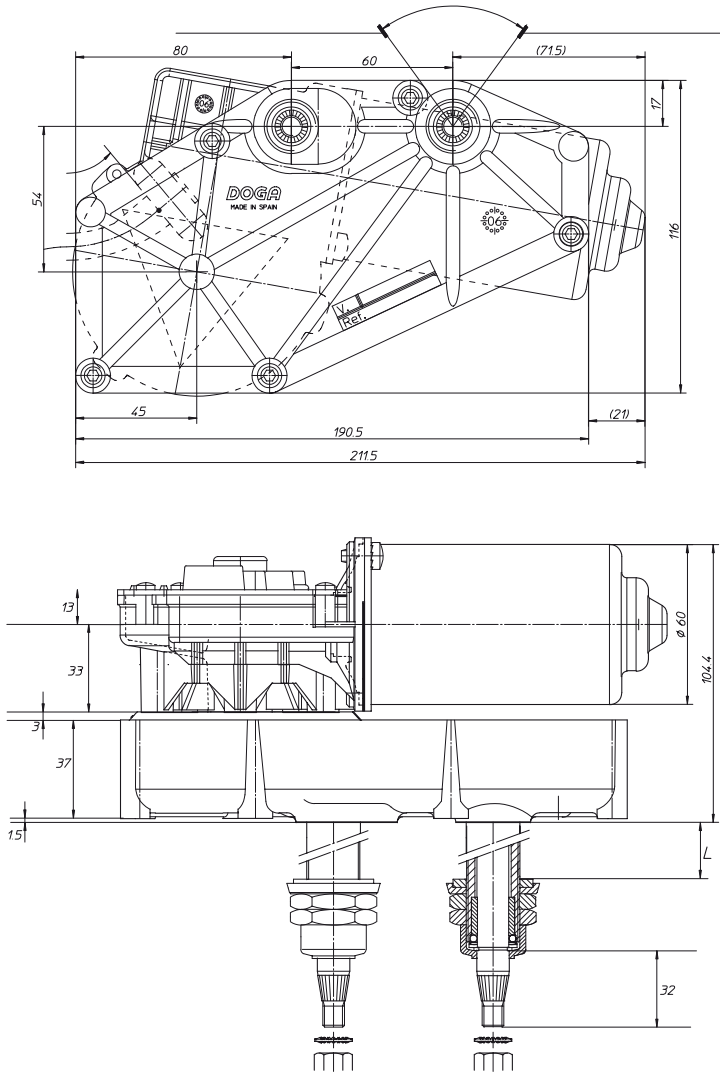
M8

VELOCIDAD EJE OSCILANTE
ROTATIONAL SPEED
VITESSE AXE OSCILLANT
DREHZAHL DER PENDELACHSE

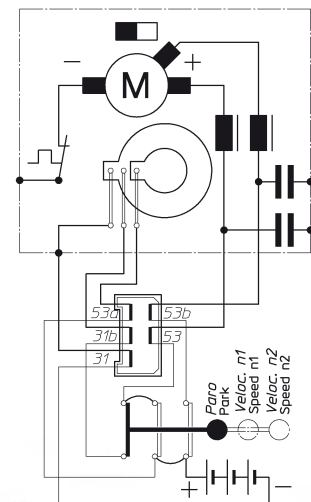
34/52
x min.



1500
máx

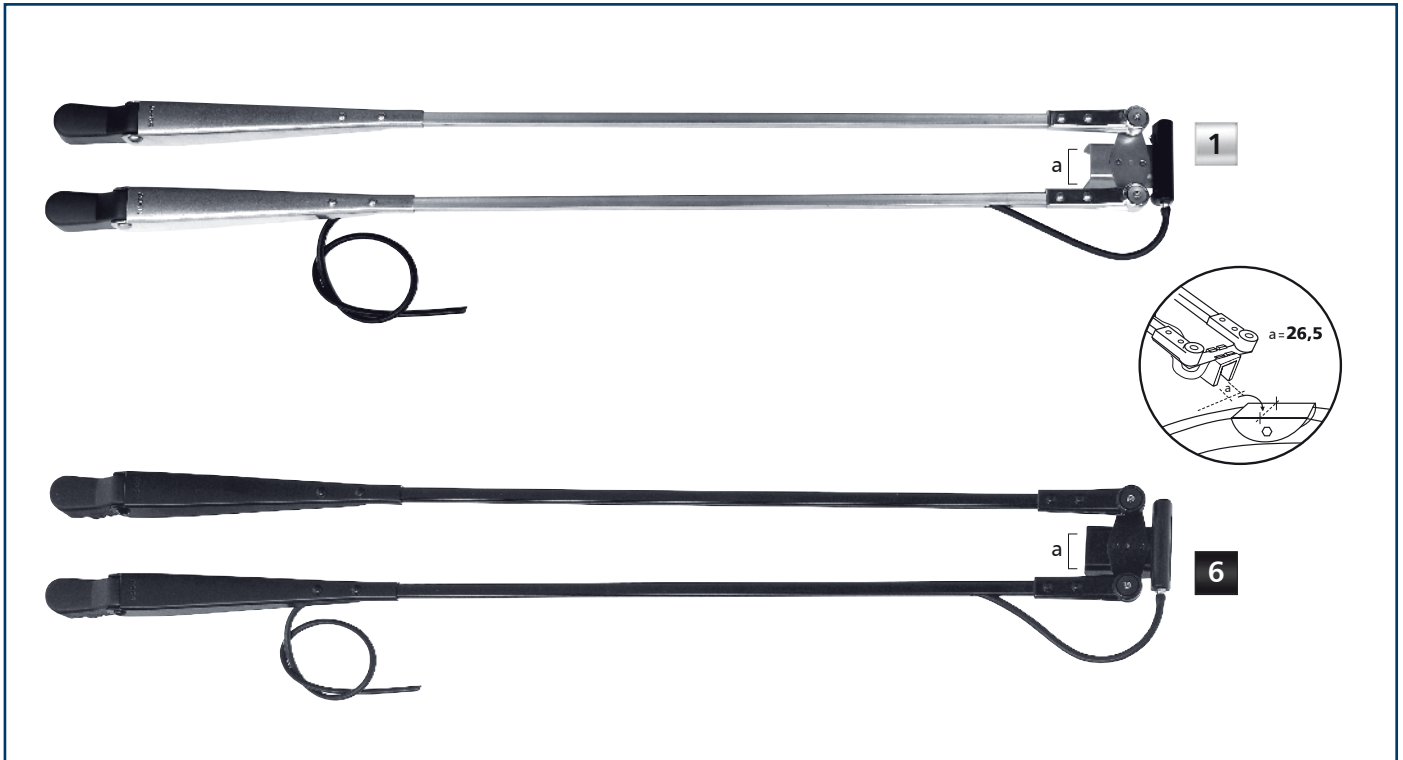


| REFERENCIA PART NUMBER REFERENZNUMMER | L - mm L - mm L - mm L - mm | ÁNGULO BARRIDO WIPING ANGLE ANGLE DE BALAYAGE WISCHWINKEL | EJE - mm SHAFT - mm AXE - mm WELLE - mm | CICLOS x m CYCLES x m ZICLEN x m | DISYUNTOR CIRCUIT BREAKER DISJONCTEUR THERMOSCHALTER | PARO AUTOMÁTICO AUTOMATIC PARK ARRÊT AUTOMATIQUE PARKSTELLUNG | INTERRUPTOR SWITCH INTERRUPTEUR SCHALTER | VOLTIOS VOLTS VOLTS VOLT | ANTIPARASITADO RFI SUPPRESSOR SANS ANTIPARASITAGE ENTSTÖRUNG |
|---|--------------------------------------|--|--|--|---|--|---|-----------------------------------|---|
| 319.9613.*B.*0 E | 48 | 50° | M8 | 34/52 | • | • | - | 12/24 | • |
| 319.9614.*B.*0 E | 48 | 60° | M8 | 34/52 | • | • | - | 12/24 | • |
| 319.9615.*B.*0 E | 48 | 72° | M8 | 34/52 | • | • | - | 12/24 | • |
| 319.9616.*B.*0 E | 48 | 80° | M8 | 34/52 | • | • | - | 12/24 | • |
| 319.9617.*B.*0 E | 48 | 90° | M8 | 34/52 | • | • | - | 12/24 | • |



CON DISYUNTOR, 2 VELOCIDADES Y ANTIPARASITADO
WITH THERMOSWITCH, 2 SPEED AND RFI SUPPRESSOR
AVEC DISJONCTEUR, 2 VITESSES ET ANTIPARASITAGE
MIT THERMOSCHALTER, 2 DREHZAHLEN UND ENTSTÖRUNG

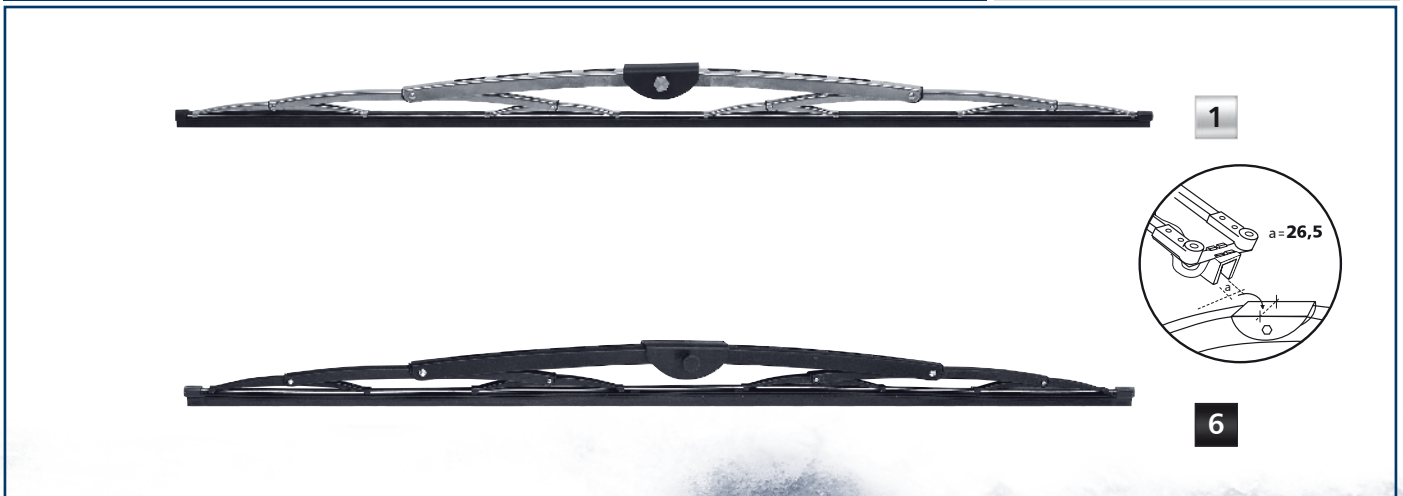
BRAZO PARALELOGRAMO - PANTOGRAPH ARM - BRAS PARALLELOGRAMME - PARALLELWISCHARM



| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L (mm) L (mm) L (mm) L (mm) | EJE SHAFT AXE WELLE | CON SURTIDOR WITH NOZZLE AVEC GICIEUR MIT SPRITZDÜSE |
|--|--------------------------------------|------------------------------|---|
| 128.0303.GA.0 * | 700 | M8 | • |
| 128.0305.GA.0 * | 800 | M8 | • |
| 128.0307.GA.0 * | 900 | M8 | • |
| 128.0309.GA.0 * | 1000 | M8 | • |

AREA LIMPIADA
WIPING AREA
SURFACE BALAYEE
WISCHFELD

ESCOBILLAS LIMPIAPARABRISAS - WIPER BLADES - BALAIS ESSUIE-GLACE - WISCHBLÄTTER



| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L (mm) L (mm) L (mm) L (mm) |
|--|--------------------------------------|
| 136.2080.GA.0 * | 800 |
| 136.2090.GA.0 * | 900 |
| 136.2010.GA.0 * | 1000 |

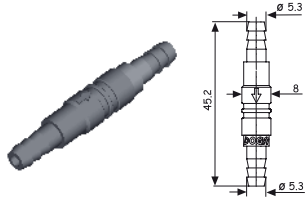


| LITROS LITERS LITRES LITER | DEPÓSITOS BOTTLES RESERVOIRS BEHALTER | GRÁFICO GRAPHIC GRAPHIC ZEICHNUNG | BOMBAS / PUMPS PUMPE / PUMPEN | VOLTS | REFERENCIA REFERENCE REFERENCE ARTIKELNUMMERN | |
|-------------------------------------|--|--|----------------------------------|-------|--|------------------------------|
| | | | | | INDICADOR DE NIVEL LEVEL INDICATOR INDICATEUR DE NIVEAUX FULLSTANDANZEIGE | |
| | | | | | CON / WITH AVEC / MIT | SIN / WITHOUT SANS / OHNE |
| 2,1 | | <p>•Material: PE HD Tapón con antipérdida \varnothing40mm. •Material: PE HD Tethered cap \varnothing40mm.</p> <p>•Matériau: PE HD Bouchon anti-fuite \varnothing40mm. •Material: PE HD Verliersichere Kappe \varnothing40mm.</p> | 1 | 12 | 232.1003.20.00 | 232.1001.20.00 |
| | | | | 24 | 232.1003.30.00 | 232.1001.30.00 |
| | | | 2 | 12 | 232.2002.20.00 | 232.2001.20.00 |
| | | | | 24 | 232.2002.30.00 | 232.2001.30.00 |
| 5,3 | | <p>•Material: PE HD Tapón con antipérdida \varnothing40mm. •Material: PE HD Tethered cap \varnothing40mm.</p> <p>•Matériau: PE HD Bouchon anti-fuite \varnothing40mm. •Material: PE HD Verliersichere Kappe \varnothing40mm.</p> | 1 | 12 | 235.1002.20.00 | 235.1001.20.00 |
| | | | | 24 | 235.1002.30.00 | 235.1001.30.00 |
| | | | 2 | 12 | 235.2002.20.00 | 235.2001.20.00 |
| | | | | 24 | 235.2002.30.00 | 235.2001.30.00 |
| | | | 3 | 12 | - | 235.3001.20.00 |
| | | | | 24 | - | 235.3001.30.00 |
| 9,7 | | <p>•Material: PE HD Tapón con antipérdida \varnothing40mm. •Material: PE HD Tethered cap \varnothing40mm.</p> <p>•Matériau: PE HD Bouchon anti-fuite \varnothing40mm. •Material: PE HD Verliersichere Kappe \varnothing40mm.</p> | 1 | 12 | 238.1002.20.00 | 238.1001.20.00 |
| | | | | 24 | 238.1002.30.00 | 238.1001.30.00 |
| | | | 2 | 12 | 238.2002.20.00 | 238.2001.20.00 |
| | | | | 24 | 238.2002.30.00 | 238.2001.30.00 |
| | | | 3 | 12 | - | 238.3001.20.00 |
| | | | | 24 | - | 238.3001.30.00 |
| 15 | | <p>•Material: PE HD Con tapón. •Material: PE HD Cap included.</p> <p>•Matériau: PE HD Avec bouchon. •Material: PE HD Mit Kappe.</p> | 1 | 12 | 239.1002.20.00 | 239.1001.20.00 |
| | | | | 24 | 239.1002.30.00 | 239.1001.30.00 |
| | | | 2 | 12 | 239.2002.20.00 | 239.2001.20.00 |
| | | | | 24 | 239.2002.30.00 | 239.2001.30.00 |



ACCESORIOS / ACCESORIES / ACCESSOIRES / ZUBEHÖR

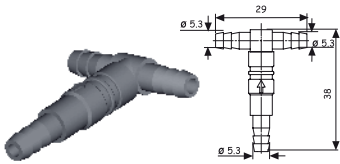
VÁLVULA ANTIRRETORNO - CHECK VALVE - VALVE ANTI-RETOUR - RÜCKSCHLAGVENTIL



ref. 100.5039.39.C0

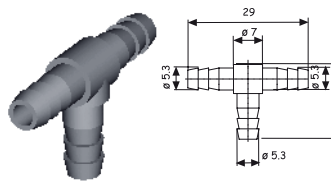
- Material: termoplástico. Para tubo de 3-4 mm de diámetro interior. Azul. Presión de apertura: 0,25 bar
- Material: thermoplastic. For a hose with an inner diameter of 3-4 mm. Blue. Opening pressure: 0,25 bar
- Matériau: thermoplastique. Pour tuyau de 3-4 mm de diamètre intérieur. Bleu. Pressure d'ouverture: 0,25 bar
- Material: thermoplastisch. Für Schläuche mit 3-4mm Innendurchmesser. Blau. Öffnungsdruck: 0,25 bar

ref. 100.5046.39.C0



- Material: termoplástico. Para tubo de 3-4 mm de diámetro interior. Azul. Presión de apertura: 0,25 bar
- Material: thermoplastic. For a hose with an inner diameter of 3-4 mm. Blue. Opening pressure: 0,25 bar
- Matériau: thermoplastique. Pour tuyau de 3-4 mm de diamètre intérieur. Bleu. Pressure d'ouverture: 0,25 bar
- Material: thermoplastisch. Für Schläuche mit 3-4mm Innendurchmesser. Blau. Öffnungsdruck: 0,25 bar

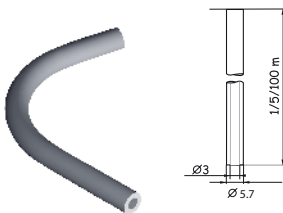
CONECTOR "T" - "T" CONNECTOR - CONNECTEUR "T" - ANSCHLUSS "T"



ref. 100.0057.39.C0

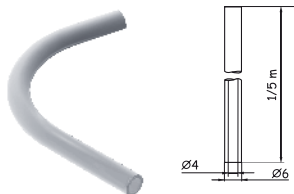
- Material: PA6. Para tubo de 3-4 mm de diámetro interior. Azul.
- Material: PA6. For a hose with an inner diameter of 3-4 mm. Blue.
- Matériau: PA6. Pour tuyau de 3-4 mm de diamètre intérieur. Bleu.
- Material: PA6. Für Schläuche mit 3-4 mm Innendurchmesser. Blau.

TUBOS - HOSES - TUYAUX - SCHLÄUCHE



ref. 100.0007.39.C0 (1m)
ref. 100.0017.39.C0 (5m)
ref. 100.0047.39.C0 (100m)

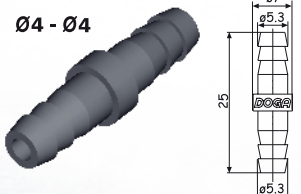
- 3 mm de diámetro interior en rollos de 1, 5 ó 100 m, en caucho EPDM negro.
- 3 mm inner diameter in sets of 1, 5 or 100 m, of EPDM black rubber.
- 3 mm de diamètre intérieur en rouleau de 1, 5 ou 100 m, en caoutchouc EPDM noir.
- Innendurchmesser 3mm, Rollen zu 1, 5 oder 100 Meter, EPDM schwarz.



ref. 100.0061.39.C0 (1m)
ref. 100.0062.39.C0 (5m)

- 4 mm de diámetro interior en rollos de 1 ó 5 m. Transparente.
- 4 mm inner diameter in sets of 1 or 5 m. Transparent.
- 4 mm de diamètre intérieur en rouleau de 1 ou 5 m. Transparent.
- Innendurchmesser 4mm, Rollen zu 1 oder 5 Meter. Schlauch transparent.

CONECTOR RECTO - STRAIGHT CONNECTOR - CONNECTEUR DROIT - GERADE ANSCHLUSS

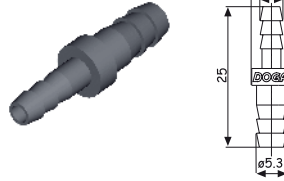


Ø4 - Ø4

ref. 100.0052.39.C0

- Material: PA6. Para tubo de 3-4 mm de diámetro interior. Azul.
- Material: PA6. For a hose with an inner diameter of 3-4 mm. Blue.
- Matériau: PA6. Pour tuyau de 3-4 mm de diamètre intérieur. Bleu.
- Material: PA6. Für Schläuche mit 3-4 mm Innendurchmesser. Blau.

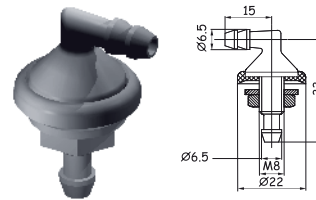
Ø4 - Ø3
Ø3 - Ø4



ref. 100.0053.39.C0

- Material: PA6. Para tubo de 3-4 mm de diámetro interior. Azul.
- Material: PA6. For a hose with an inner diameter of 3-4 mm. Blue.
- Matériau: PA6. Pour tuyau de 3-4 mm de diamètre intérieur. Bleu.
- Material: PA6. Für Schläuche mit 3-4 mm Innendurchmesser. Blau.

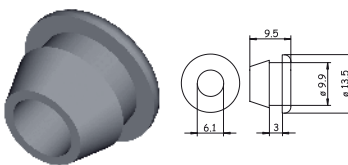
PASAMUROS - ELBOW CONNECTOR - TRAVERSEE DE CLOISON - DURCHFÜHRUNGSTÜCK



ref. 100.5026.39.C0

- Material: PA6. Para tubo de 3-4 mm de diámetro interior. Negro.
- Material: PA6. For a hose with an inner diameter of 3-4 mm. Black.
- Matériau: PA6. Pour tuyau de 3-4 mm de diamètre intérieur. Couleur Noir.
- Material: PA6. Für Schläuche mit 3-4 mm Innendurchmesser. Schwarz.

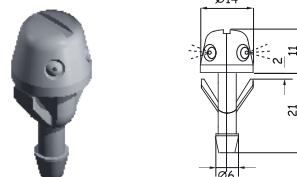
PASATUBOS - GROMMET - PASSE-FIL - TÜLLE



ref. 100.0063.39.C0

- Material: PVC negro
- Material: PVC black.
- Matériau: PVC couleur noir.
- Material: PVC Farbe schwarz.

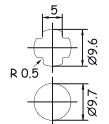
SURTIDORES - NOZZLES - GICLEURS - SPRITZDÜSEN



ref. 121.5005.39.C0

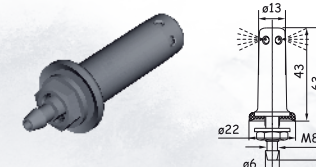
2 JETS / 80°

- Material: PA6. Negro. Modelo estándar.
- Material: PA6. Black. Standard model.
- Matériau: PA6. Noir. Modèle standard.
- Material: PA6. Schwarz. Standardmodell.



ref. 100.5035.39.C0 (2 JETS)
ref. 100.5037.39.C0 (1 JET)

- Material: PA6. Negro. Modelo estándar.
- Material: PA6. Black. Standard model.
- Matériau: PA6. Noir. Modèle standard.
- Material: PA6. Schwarz. Standardmodell.

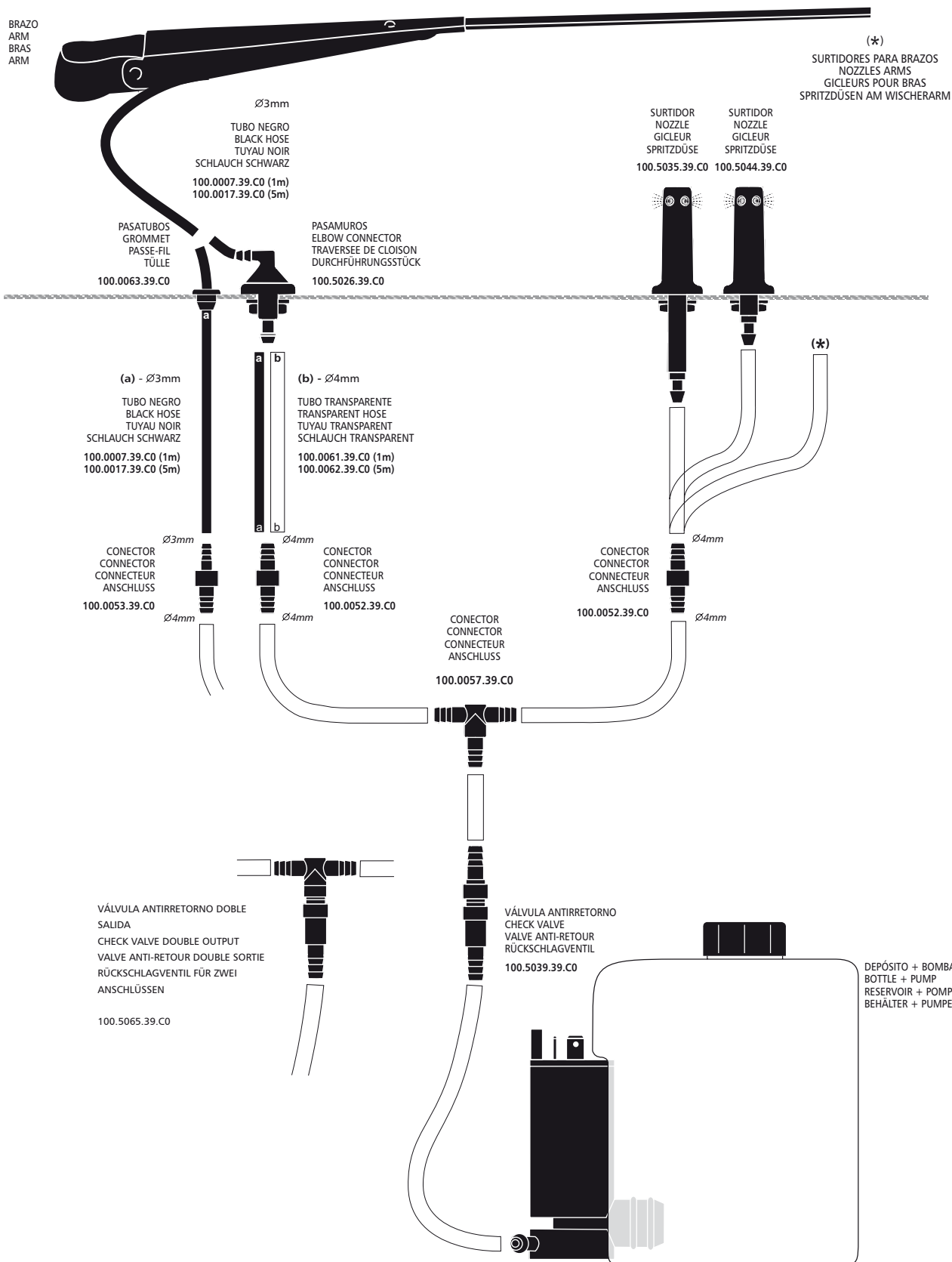


ref. 100.5044.39.C0 (2 JETS)

- Material: PA6. Negro. Modelo estándar.
- Material: PA6. Black. Standard model.
- Matériau: PA6. Noir. Modèle standard.
- Material: PA6. Schwarz. Standardmodell.





ACCESORIOS / ACCESORIES / ACCESSOIRES / ZUBEHÖR




ESCOBILLAS LIMPIAPARABRISAS - WIPER BLADES - BALAIS ESSUIE-GLACE - WISCHBLÄTTER



| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L (mm) L (mm) L (mm) L (mm) |  |  |
|--|--------------------------------------|---|---|
| 134.1628.GA.06 | 280 | 8 x 2,5 | Ø 5 (2x) |
| 134.1635.GA.06 | 350 | | |
| 134.1640.GA.06 | 400 | | |
| 134.1645.GA.06 | 450 | | |
| 134.1650.GA.06 | 500 | | |



| REFERENCIA PART NUMBER REFERENCE REFERENZNUMMER | L (mm) L (mm) L (mm) L (mm) |  |
|--|--------------------------------------|---|
| 136.1660.GA.0* | 600 | Ø 5 (2x) |
| 136.1770.GA.0* | 700 | |

INTERRUPTOR INTELIGENTE - INTELLIGENT WIPER SWITCH - INTERRUPTEUR INTELLIGENT - SCHALTER MIT EINGEBAUTEM MICROCONTROLLER

100-1235-17-00 y 100-1237-17-00 son interruptores inteligentes que incorporan un microcontrolador y que pueden accionar uno o dos motores limpiaparabrisas respectivamente, proporcionando todas las funciones necesarias para obtener el barrido más adecuado.

Tienen una posición de paro perfecta gracias al sistema de frenado dinámico.

Su tamaño estándar hacen que sean compatibles, son fáciles de instalar, utilizar y fiables.

100-1235-17-00 and 100-1237-17-00 are microcontroller - based "intelligent switches" for operating one or two wiper motors, wich provide all functions for a proper windscreen cleaning. Perfect self parking position due to "dynamic brake"

Standard switch size compatible, easy to install, to use and reliable.

100-1235-17-00 et 100-1237-17-00 sont des interrupteurs intelligents incorporant un microcontrôleur. Ceux-ci sont capables de contrôler le fonctionnement d'un ou deux lave-glaces proportionnant toutes les fonctions d'essuyage.

Ils ont une position d'arrêt parfaite grâce au système de frein dynamique.

Leur taille standard fait qu'ils sont facile à installer, à utiliser, sont fiables et compatibles.

100-1235-17-00 y 100-1237-17-00 sind Microcontroller mit eingebautem (intelligenten) Schalter, die in der Lage sind, einen oder beide Motoren des Wischersystems, welches alle Funktionen des Scheibenwischersystems gewährleistet, anzutreiben.

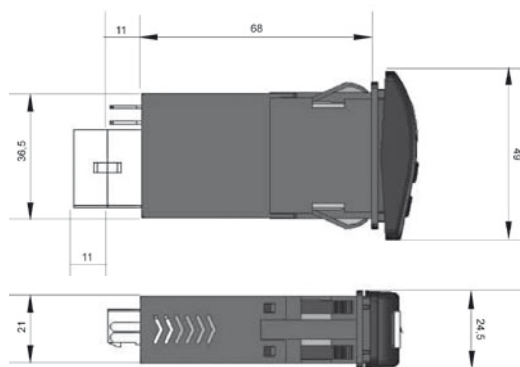
Die Parkstellung ist dank eines dynamischen Stoppsystems perfekt.

Das Standardmass macht diese Schalter kompatibel, zuverlässig, leicht verbaubar und anwendbar.

100-1235-17-00

1x 

316 (12V, 24V) , 317 (12V, 24V)

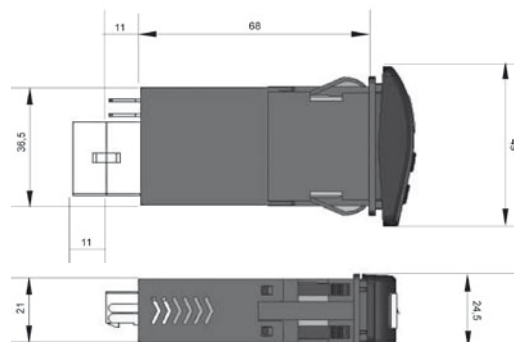


KIT INCLUDES: 1u. SWITCH, 1u. 10 POLE CONNECTOR WITH FEMALE PINS, 1u. USER MANUAL

100-1237-17-00

2x 

316 (12V, 24V) , 317 (12V, 24V)



KIT INCLUDES: 1u. SWITCH, 1u. 10 POLE CONNECTOR WITH FEMALE PINS, 2u. FEMALE FAST-ON, 1u. USER MANUAL

| | 100-1235-17-00 | 100-1237-17-00 | | 100-1235-17-00 | 100-1237-17-00 |
|-----------------------|--------------------------------|-------------------------|---------------------|--|---|
| VOLTAGE SUPPLY | 10V - 30V | | OUTPUT | 1 SLOW AND 1 HIGH SPEED, 1 WASH PUMP | 2 SLOW AND 2 HIGH SPEED, 1 WASH PUMP |
| INTERNAL FUSE | 4 A, SELF - RESETTABLE PTC | | | FUNCTIONS | |
| STAND-BY CURRENT | <20mA | | CONNECTIONS | 3 INTERMITTENT SETTINGS, 2 CONTINUOUS SPEEDS, WASH/WIPE PROGRAM | |
| PROTECTION | POLARITY INVERSION | | | 10 POLES CONNECTOR | 10POLESCONN,2MALE FAST-ON |
| MOTOR- OUTPUT CURRENT | SLOW AND HIGH SPEED - 4 A MAX. | | CASE | ABS BLACK | |
| INPUT | 1 PARKING SWITCH DIMMER | 2 PARKING SWITCH DIMMER | WORKING TEMPERATURE | -10 °C / +50 °C | |
| | | | STORAGE TEMPERATURE | -20 °C / +70 °C | |

INTERRUPTOR INTELIGENTE - INTELLIGENT WIPER SWITCH - INTERRUPTEUR INTELLIGENT - SCHALTER MIT EINGEBAUTEM MICROCONTROLLER

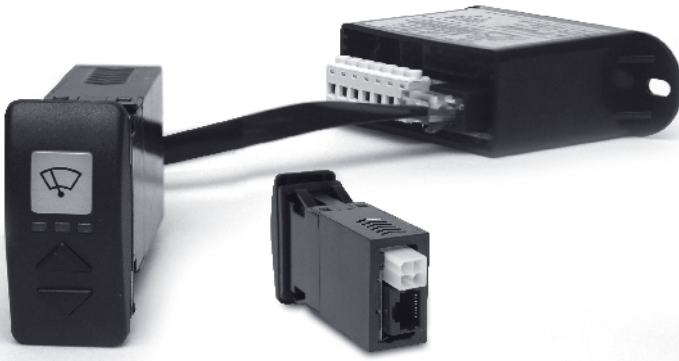
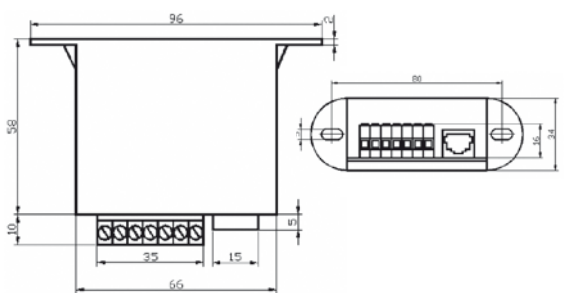
100-1236-10-00 y 100-1238-17-00 son interruptores inteligentes que incorporan un microcontrolador y que pueden accionar uno o dos motores limpiaparabrisas respectivamente, proporcionando todas las funciones necesarias para obtener el barrido más adecuado.
 100-1238-17-00 según el modo seleccionado, activa-desactiva el limpiaparabrisas de manera individual.
 Su tamaño estándar hacen que sean compatibles, fáciles de instalar, utilizar y fiables.

100-1236-10-00 and 100-1238-17-00 are microcontroller - based "intelligent switches" for operating one or two wiper motors, wich provide all functions for a proper windscreen cleaning. Perfect self parking position due to "dynamic brake"
 100-1238-17-00 Activates/desactivates each wiper individually, synchronization in each selected mode.
 Standard switch size compatible, easy to install, to use and reliable.

100-1236-10-00 et 100-1238-17-00 sont des interrupteurs intelligents incorporant un microcontrôleur. Ceux-ci sont capables de contrôler le fonctionnement d'un ou deux lave-glaces proportionnant toutes les fonctions d'essuyage. Ils ont une position d'arrêt parfaite grâce au système de frein dynamique.
 100-1238-17-00 selon le mode sélectionné, active ou désactive l'essuie-glace de manière individuelle.
 Leur taille standard fait qu'ils sont facile à installer, à utiliser, sont fiables et compatibles.


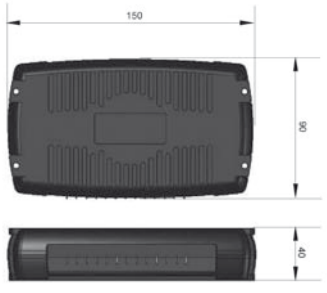
100-1236-10-00 y 100-1238-17-00 sind Microcontroller mit eingebautem (intelligenten) Schalter, die in der Lage sind, einen oder beide Motoren des Wischersystems, welches alle Funktionen des Scheibenwischersystems gewährleistet, anzutreiben.
 Die Parkstellung ist dank eines dynamischen Stoppsystems perfekt.
 100-1238-17-00 schaltet das Wischersystem individuell ein oder aus, je nach eingestelltem Modus.
 Das Standardmass macht diese Schalter kompatibel, zuverlässig, leicht verbaubar und anwendbar.


100-1236-17-00
1x
111 (12V, 24V) , 319 (12V, 24V), 258 (24V), 259 (24V)

PACKET INCLUDES: 1u. CONSOLE, 1u. REALLY BOX, 1u. 8 POLES FLAT CABLE L= 1m, 1u. 4 POLES CONN. WITH FEMALE PINS, 1u. 7 POLES CONN., 1u. USER MANUAL.

100-1238-17-00
2x
111 (12V, 24V) , 319 (12V, 24V), 258 (24V), 259 (24V)



PACKET INCLUDES: 1u. CONSOLE, 1u. RELAY BOX, 1u. 8 POLES, 1u. 4 POLES MINIFIT CONN. WITH FEMALE PINS, 2u. 4 POLES CONNECTOR, 3u. FEMALE FAST-ON, 1u. MANT42PEVA USER MANUAL.

| | 100-1236-17-00 | 100-1238-17-00 | | 100-1236-17-00 | 100-1238-17-00 |
|-----------------------|---------------------------------|---------------------------------|---------------------|---|---|
| VOLTAGE SUPPLY | 10V - 30V | | OUTPUT | 1 SLOW AND 1 HIGH SPEED, 1 WASH PUMP | 2 SLOW AND 2 HIGH SPEED, 1 WASH PUMP |
| INTERNAL FUSE | 12 A, PTC | 16 A, PTC | | FUNCTIONS | |
| STAND-BY CURRENT | <20mA | | CONNECTIONS | 3 INTERMITTENT SETTINGS, 2 CONTINUOUS SPEEDS, WASH/WIPE PROGRAM | |
| PROTECTION | POLARITY INVERSION | | | RELAY BOX | CONSOLE |
| MOTOR- OUTPUT CURRENT | SLOW AND HIGH SPEED - 12 A MAX. | SLOW AND HIGH SPEED - 16 A MAX. | | -7u. 4 POLES Conn, 3u. FEMALE FAST-ON -8u. POLES TEL | -2u. 4 POLES Conn, 3u. MINIFIT -1u. 8 POLES TEL Conn. |
| INPUT | 1 PARKING SWITCH DIMMER | 2 PARKING SWITCH DIMMER | WORKING TEMPERATURE | -25 °C / +55 °C | |
| | | | STORAGE TEMPERATURE | -30 °C / +80 °C | |
| | | | | CONSOLE | CONSOLE |
| | | | | -10 °C / +50 °C | -20 °C / +70 °C |

INTERRUPTOR INTELIGENTE - INTELLIGENT WIPER SWITCH - INTERRUPTEUR INTELLIGENT - SCHALTER MIT EINGEBAUTEM MICROCONTROLLER

100-1239-10-00 es un interruptor inteligente que incorpora un microcontrolador y que puede accionar tres motores limpiaparabrisas respectivamente, proporcionando todas las funciones necesarias para obtener el barrido más adecuado. Tiene una posición de paro perfecta gracias al sistema de frenado dinámico. Su tamaño estándar hace que sea compatible, es fácil de instalar, utilizar y fiable.

100-1239-10-00 is microcontroller - based "intelligent switches" for operating three wiper motors, wich provide all functions for a proper windscreen cleaning. Perfect self parking position due to "dynamic brake"
Standard switch size compatible, easy to install, to use and reliable.

100-1239-10-00 est un interrupteur intelligent incorporant un microcontrôleur. Celui-ci il est capable de faire fonctionner trois moteurs lave-glaces proportionnant toutes les fonctions d'essuyage. Il a une position d'arrêt parfaite grâce au système de frein dynamique. Sa taille standard fait qu'il est facile à installer, à utiliser, est fiable et compatible.

100-1239-10-00 ist Microcontroller mit eingebautem (intelligenten) Schalter, die in der Lage ist, drei Motoren des Wischersystems, welches alle Funktionen des Scheibenwischersystems gewährleistet, anzutreiben. Die Parkstellung ist dank eines dynamischen Stoppsystems perfekt. Das Standardmass macht diesen Schalter kompatibel, zuverlässig, leicht verbaubar und anwendbar.

100-1239-17-00 **3x** **111 (12V, 24V) , 319 (12V, 24V), 258 (24V), 259 (24V)**

PACKET INCLUDES: 1u. PRIMARY SWITCH, 1u. SECONDARY SWITCH, 1u. RELAY BOX, 1u. 8 POLES, 1u. 10 POLES, 3u. 4 POLES CONNECTOR, 2u. FEMALE 9,5MM FAST-ON, 1u. FEMALE 6,3 MM FAST-ON, 1u. 4 POLES MINIFIT CONN., 1u. USER MANUAL

| | 100-1239-17-00 | | 100-1239-17-00 |
|----------------------|---------------------------------|---------------------|---|
| VOLTAGE SUPPLY | 10V - 30V | OUTPUT | 3 SLOW AND 3 HIGH SPEED, 1 WASH PUMP |
| INTERNAL FUSE | 12 A, PTC | FUNCTIONS | 3 INTERMITTENT SETTINGS, 2 CONTINUOUS SPEEDS, WASH/WIPE PROGRAM |
| STAND-BY CURRENT | <20mA | CONNECTIONS | RELAY BOX |
| PROTECTION | POLARITY INVERSION | | CONSOLE |
| MOTOR-OUTPUT CURRENT | SLOW AND HIGH SPEED - 12 A MAX. | WORKING TEMPERATURE | -25 °C / +55 °C |
| INPUT | 3 PARKING SWITCH / DIMMER | STORAGE TEMPERATURE | -30 °C / +80 °C |

MOTOR

APLICACION

168



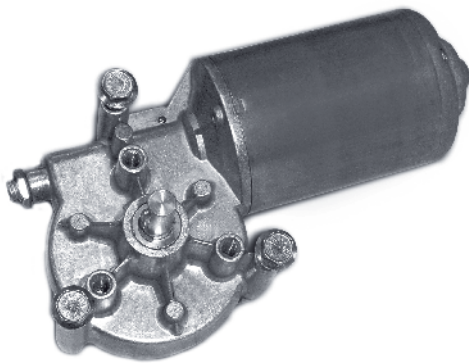
Autopiloto
Autopilot
Auto-pilote
Autopilot

319



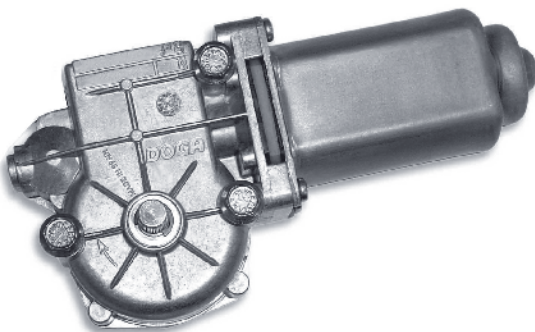
Techo deslizante
automático
Automatic sliding
roof
Toit ouvrant
automatique
Elektrisches
Schiebedach

111



Proyector de reconocimiento
Search light for boats
Projecteur de reconnaissance
Suchscheinwerfer für Boote

316



Cabestrante timón
Helm winch
Casbestran gouvernail
de direction
Halfterruder mit
Winde

DOGA, S.A.

Autovía A-2, Km. 583
08630 ABRERA - BARCELONA - (SPAIN)
Tel. +34 93 770 46 00 - Fax +34 93 770 23 52
e-mail: doga@dog.es

DOGA do Brasil, Ltda.

Rua Ibaiti, 111 - Vila Pernetá - Cond. Portal da Serra
83325-060 PINHAIS - PARANÁ - (BRAZIL)
Tel. +55 41 3668 1513 - Fax +55 41 3668 1988
e-mail: dogabrasil@dog.com.br

DOGA France, S.A.R.L.

12 Rue de la Fosse Rouge
77220 PRESLES-EN-BRIE - (FRANCE)
Tel. +33 164078213 - Fax +33 164071701
e-mail: dogafrence@dogafrence.fr

DOGA Italia, S.R.L.

Reg. Cocito, 24
14040 CASTELNUOVO CALCEA (AT) - (ITALY)
Tel. +39 0141 963000 - Fax +39 0141 963001
e-mail: dogaitalia@dogaitalia.com

DOGA Nantong Auto Parts Co., Ltd.

No. 1, Xindong Road
Nantong Economic & Technology Development Area
226016 NANTONG - JIANGSU - (P. R. CHINA)
Tel. +86 513 8517 5173 - Fax +86 513 8517 5160
e-mail: doganantong@doganantong.com

DOGA USA, Corp.

11131 Kiley Drive
Huntley - IL - 60142 - (USA)
Tel. +1 847 669 8529 - Fax +1 847 669 8694
e-mail: dogausa@dogausa.com