$$
\begin{gathered}
\text { BOSCH } \\
\text { SWITCHES } \\
\text { CATALOG } \\
\text { AA-TR/PAC }
\end{gathered}
$$

## Product overview switches Link to the $\mathrm{p} / \mathrm{n}$

| - | 0986340100 | - | 0343102010 | - | 0342201009 | - | 0341003004 | $\checkmark$ | 0341810010 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - | 0341500801 | - | 0343102011 | - | 0342202001 | - | 0341001001 | - | 0986345202 |
| - | 0341500803 | - | 0343107002 | $\checkmark$ | 0342202002 | - | 0343008006 | - | 0986345203 |
| - | 0986340001 | $\checkmark$ | 0340302102 | $\checkmark$ | 0342203001 | $\checkmark$ | 0343008007 | $\checkmark$ | 0986345501 |
| $\checkmark$ | 0986340120 | $\checkmark$ | 0340302103 | $\checkmark$ | 0342006001 | $\checkmark$ | 0343008009 | $\checkmark$ | 0986345503 |
| $\checkmark$ | 0343003001 | $\checkmark$ | 0340302104 | - | $\underline{0342006003}$ | - | 0343401001 | $\checkmark$ | 0986345502 |
| - | 0343003004 | $\checkmark$ | 0340302105 | $\checkmark$ | 0342006007 | - | 0342315001 | $\checkmark$ | 0986346800 |
| - | 0343003007 | $\checkmark$ | 0340302106 | $\checkmark$ | 0342006009 | - | 0342315004 | $\checkmark$ | 0986346700 |
| - | 0343003005 | $\checkmark$ | 0340302107 | $\checkmark$ | 0342006020 | $\checkmark$ | 0342316002 | $\checkmark$ | $\underline{096346001}$ |
| $\checkmark$ | $\underline{0343007001}$ | - | 0340302108 | - | 0342311003 | - | 0342316003 | $\checkmark$ | $\underline{096346002}$ |
| $\checkmark$ | $\underline{0} 443013001$ | $\checkmark$ | 0340302109 | $\checkmark$ | 0342311004 | - | 0343405001 | $\checkmark$ | $\underline{0986346003}$ |
| - | $\underline{0343004003}$ | $\checkmark$ | 0340302110 | - | 0342311006 | - | 0343302003 | $\checkmark$ | 0986346004 |
| - | 0340000001 | $\checkmark$ | 0340302111 | - | 0342311007 | - | 0336920004 | $\checkmark$ | 09986346005 |
| $\checkmark$ | 0986340010 | $\checkmark$ | 0340302112 | $\checkmark$ | 0342309008 | - | 0336920003 | $\checkmark$ | 0986346006 |
| $\checkmark$ | 0341100001 | $\checkmark$ | 0340302113 | - | 0342309020 | - | 0341101001 | $\checkmark$ | $\underline{0986346007}$ |
| $\checkmark$ | 0340006004 | $\checkmark$ | 0340302114 | $\checkmark$ | 0342309007 | - | 0341300002 | $\checkmark$ | 0986346008 |
| - | $\underline{0340006012}$ | $\checkmark$ | $\underline{0340302115}$ | - | 0342309003 | - | 0341600001 | $\checkmark$ | $\underline{0986346009}$ |
| $\checkmark$ | 0340603001 | $\checkmark$ | 0342307001 | $\checkmark$ | 0342309006 | - | 0341810005 | $\checkmark$ | $\underline{0966346010}$ |
| $\checkmark$ | 0340604001 | $\checkmark$ | 0342307002 | $\checkmark$ | 0342309011 | - | 0341810013 | $\checkmark$ | 0986346011 |
| $\checkmark$ | $\underline{0343101003}$ | $\checkmark$ | 0342106012 | $\checkmark$ | 0342309012 | - | 0341810006 | $\checkmark$ | 0986346012 |
| $\checkmark$ | 0343102015 | $\checkmark$ | 0342106004 | $\checkmark$ | 0342309005 | - | 0341810007 | $\checkmark$ | 0986346021 |
| $\checkmark$ | $\underline{0343102024}$ | $\checkmark$ | 0342106005 | $\checkmark$ | $\underline{0} 342309010$ | - | 0341810008 | $\checkmark$ | 0986346022 |
| $\stackrel{ }{ }$ | 0343102008 | $\checkmark$ | 0342201010 | $\checkmark$ | $\underline{0341002003}$ | - | 0341810009 | $\checkmark$ | 0986346023 |

2 Automotive Aftermarket | AA/MKG | 8/19/2016

## Product overview switches Link to the $\mathrm{p} / \mathrm{n}$

| $\underline{0966346032}$ | - | $\underline{0986344055}$ | - | 0986345012 | - | $\underline{0986346115}$ | - | $\underline{0986348701}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0986346033 | - | 0986344044 | - | 0986345005 | - | $\underline{0986346111}$ | - | 0986348702 |
| 0986346034 | - | 0986344032 | - | 0986345008 | - | 0986346119 | - | 0986348618 |
| 0986346051 | - | $\underline{0886344058}$ | - | $\underline{0986345009}$ | - | $\underline{0986346370}$ | - | $\underline{0986348617}$ |
| $\underline{0986346052}$ | - | $\underline{0986344084}$ | $\checkmark$ | $\underline{0986345006}$ | - | 0986346371 | $\checkmark$ | 0986348616 |
| 0986346053 | - | $\underline{0986344051}$ | - | 0986345003 | - | $\underline{0986346372}$ | - | $\underline{0986348615}$ |
| $\underline{0986346054}$ | - | 0986344056 | - | 0986345004 | - | 0986346373 | $\checkmark$ | 0986348600 |
| $\underline{0986346055}$ | - | $\underline{0986344052}$ | - | 0986345413 | - | 0986346374 | - | 0986348621 |
| 0988346056 | - | $\underline{0986344033}$ | - | $\underline{0986345408}$ | - | 0986346375 | - | 0986348601 |
| $\underline{0986346057}$ | - | 0986344053 | - | $\underline{0986345409}$ | - | 0986346376 | - | 0986348602 |
| $\underline{0986346058}$ | - | $\underline{0986344041}$ | - | 0986345410 | - | 0986346377 | - | 0986348603 |
| 0986346059 | - | 0986344040 | - | 0986345414 | - | $\underline{0986348001}$ | - | 0986348604 |
| 0986346060 | - | 0986344089 | - | $\underline{0986345411}$ | - | 0986348151 | - | 0986348608 |
| $\underline{0986346061 ~}$ | - | 0986344035 | - | 0986345112 | - | 0986348174 | $\checkmark$ | 0986348610 |
| $\underline{0986346062}$ | - | $\underline{0986344077}$ | $\checkmark$ | 0986345114 | - | $\underline{0986348301}$ | $\checkmark$ | 0986348609 |
| $\underline{0986346071}$ | - | $\underline{0986344046}$ | - | 0986345115 | - | $\underline{0986348451}$ | $\checkmark$ | $\underline{0986348611}$ |
| $\underline{0986346072}$ | - | $\underline{0986344080}$ | - | $\underline{0986345116}$ | - | $\underline{0986348474}$ | - | $\underline{0986348624}$ |
| $\underline{0986346073}$ | - | $\underline{0986344036}$ | - | 0986345110 | - | 0986348711 | $\checkmark$ | 0986348623 |
| $\underline{0986346081}$ | - | $\underline{0986344086}$ | - | 0986345113 | $\checkmark$ | $\underline{0986348707}$ | - | $\underline{0986348619}$ |
| $\underline{0986346082}$ | - | 0986344076 | - | 0986345117 | $\checkmark$ | 0986348705 | - | 0986348620 |
| 0986347005 | - | 0986344087 | - | 0986345119 | $\checkmark$ | $\underline{0986348708}$ | $\checkmark$ | 0986348606 |
| $\underline{0986347003}$ | - | 0986344054 | - | 0986345120 | - | $\underline{0986348706}$ | $\checkmark$ | $\underline{0986348607}$ |
| $\underline{0986347004}$ | - | $\underline{0986344074}$ | $\checkmark$ | $\underline{0986345111}$ | $\checkmark$ | 0986348710 | $\checkmark$ | 0986348622 |
| $\underline{0986347002}$ | - | 0986345007 | $\checkmark$ | $\underline{0986346409}$ | $\checkmark$ | 0986348703 | - | 0986348605 |
| $\underline{0986344082}$ | - | 0986345001 | $\checkmark$ | $\underline{0986346414}$ | $\checkmark$ | 0986348700 |  |  |
| $\underline{0986344085}$ | - | $\underline{0986345017}$ | $\checkmark$ | 0986346110 | $\checkmark$ | $\underline{0986348704}$ |  |  |
| $\underline{0986344090}$ | - | $\underline{0986345000}$ | $\checkmark$ | 0986346112 | - | $\underline{0986348709}$ |  |  |

## PH A7743 Product family switches - overview

Universal Switches
from page 8 to 21


Hazard-warning switches, Alarm switches, backup lamp switches, door contact switch from page 29 to 49

Ignition and starting switches
from page 68 to 80

## PH A7743 <br> Product family switches - overview



Glow-plug and
starting switches
from page 86 to 93

Wiper switches
from page 99 to 100

Glow-plug switches page 95

## Turn-signal

 switchesfrom page 102 to 103

## PH A7743 <br> Product family switches - overview

## Turn-signal and combi-switches

from page 105 to 112


Flush-mounted and indicator switches
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Oil-pressure warning switches
from page 164 to 200

Function symbols/ accessories
from page 242 to 275

# Universal switches 

from page 8 to 21

Lever switch Change-over switch (two-way contact with neutral position) 0986340100

| Fastening | Fitting |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Connection | Capacity | Voltage |  |  |
| Knurled nut <br> M12 x 1 | Wall thickness up to 3 mm | Screw terminals | 48W | 24 V |



Back to overview

## Lever switch On-off-switch (NO contact) 0341500801

| Fastening | Fitting |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Round nut <br> M12 x 1 | Wall thickness up to 6 mm | Connection | Capacity | Voltage |
| $\varnothing 12 \mathrm{~mm}$ |  |  |  |  |



Back to overview

## Lever switch Chance-over switch (Chance-over contact) 0341500803

| Fastening | Fitting | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Round nut M12 x 1 | $\varnothing 12 \text { mm }$ <br> Wall thickness up to 6 mm | Screw terminals | 60 W | 24 V |



Back to overview

## Push-pull switch On-off switch (NO contact) 0986340001

|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Fastening | Fitting | Connection | Capacity | Voltage |
| Knurled nut <br> $M 8 \times 0,75$ | Wall thickness up to 5 mm | Blade terminals | 75 W | 24 V |



Back to overview

## Push-pull switch multi-position switch 0986340120

| Fastening | Fitting | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Round nut <br> M10 1 | $\varnothing 10,5 \mathrm{~mm}$ <br> Wall thickness up to 2 mm | Screw terminals | 100 W | 24 V |



Back to overview

## Momentary push-button NO contact 0343003001

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Octagon nut | Wall thickness up to 6 mm | Screw terminals | $30 / 20 / 15 \mathrm{~A}$ | $6 / 12 / 24 \mathrm{~V}$ |



Back to overview

## Momentary push-button NO contact 0343003004

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Octagon nut | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 6 mm | Blade terminals | $30 / 20 / 15 \mathrm{~A}$ | $6 / 12 / 24 \mathrm{~V}$ |



Back to overview

## Momentary push-button NO contact 0343003007

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Octagon nut | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 6 mm | Blade terminals | $30 / 20 / 15 \mathrm{~A}$ | $6 / 12 / 24 \mathrm{~V}$ |



Back to overview

## Momentary push-button NO contact 0343003005

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Octagon nut | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 6 mm | Blade terminals | $30 / 20 / 15 \mathrm{~A}$ | $6 / 12 / 24 \mathrm{~V}$ |



Back to overview

## Momentary push-button NO contact 0343007001

| Fastening | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: |
| Hole spacing 17 mm, external $\varnothing 26 \mathrm{~mm}$ | 1 Screw terminal | $15 / 7,5 \mathrm{~A}$ | $12 / 24 \mathrm{~V}$ |



Back to overview

## Momentary push-button NO contact 0343013001

| Fastening | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: |
| Hole spacing 23 mm, external $\varnothing 35 \mathrm{~mm}$ | 2 Screw terminals | $15 / 7,5 \mathrm{~A}$ | $12 / 24 \mathrm{~V}$ |



Back to overview

## Momentary push-button NO contacts with two makes 034304003

| Fastening | Fitting | Degree of <br> protection | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Hexagon nut | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 3 <br> mm | Housing IP 40, <br> Contact chamber <br> IP 64 | Screw terminals | 26/25/20/100/5 0 A | 6/12/24 V |



Back to overview

## Momentary push-button NO contact 0340000001

| Fastening | Fitting | Degree of <br> protection | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Hexagon nut | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 9 <br> mm | IP 54 | Screw terminals | $400 / 250 \mathrm{~W}$ | 24 V |



## Back to overview

## Mechanical brake-light switch Push pull switch 0986340010

| Fastening | Surrounding <br> temperature | Current | Capacity |  |
| :---: | :---: | :---: | :---: | :---: |
| 2 Screw terminals | $-40 \ldots+120^{\circ} \mathrm{C}$ | 7 A | $4 \times 21 \mathrm{~W}$ |  |
| M 4 |  |  |  |  |



Back to overview

# Light switches 

From page 23 to 27

## Rotary switch Two-way contact with neural position 0341100001

| Fastening | Fitting | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Octagon nut <br> M26 x 1 | $\varnothing$ <br> Wall thickness up to $26,5 \mathrm{~mm}$ | Screw terminals | $10 / 90 \mathrm{~W}$ | 12 V |



Back to overview

## Push-pull switch Multi-position switch 0340006004

| Fastening | Fitting | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Round nut <br> M14 $\times 1,5$ | $\varnothing 14,5 \mathrm{~mm}$ <br> Wall thickness up to $6,5 \mathrm{~mm}$ <br> Without lock nut up to $10,5 \mathrm{~mm}$ | Blade terminal | $140 / 35 \mathrm{~W}$ | 24 V |



Back to overview

## Push-pull switch On-off switch (NO contact) 0340006012

| Fastening | Fitting | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Knurled nut $\text { M12 x } 1$ | $\varnothing 12,5 \mathrm{~mm}$ <br> Wall thickness up to 6 mm | Blade or screw terminals | 100 W | 24 V |



## Foot-operated switch Change-over contact, with detent 0340603001

| Fastening | Fitting |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 2 oval-head screws <br> hole $\varnothing 5,3$ mm with 38 <br> $m m$ hole spacing | From above | Screw terminals | Capacity | Voltage |
| S |  |  | 120 W | 24 V |




Back to overview

## Foot-operated switch Change-over contact, with detent 0340604001

| Fastening | Fitting | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| 4 screws, hole $\varnothing 6,4 \mathrm{~mm}$ with $44,5 \mathrm{~mm}$ and 67 mm hole spacing | From the bottom $\varnothing 23$ mm | Screw terminals | 120 W | 24 V |



## Back to overview

# Hazard-warning switches, alarm switch, backup lamp switches, door-contact switch 

From page 29 to 49

## Backup lamp switches-Plunger switch/NO contact 0343101003

| Fastening | Contact travel | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| 3 holes $\varnothing 5,3 \mathrm{~mm}$ <br> hole-spacing: $20 \mathrm{~mm} / 12 \mathrm{~mm}$ | Ca. 10 mm | Screw terminals | 60 W | 24 V |



Back to overview

## Backup lamp switches-Plunger switch/NO contact 0343102015

| Fastening | Contact travel | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Screw thread M $18 \times 1,5$ | Ca. 6 mm | Screw terminals | 60 W | 24 V |



Back to overview

## Backup lamp switches-Plunger switch/NO contact 0343102024

| Fastening | Contact travel | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Screw thread <br> M $18 \times 1,5$ | Ca. 6 mm | Screw terminals | 60 W | 24 V |



Back to overview

## Backup lamp switches-Plunger switch/NO contact 0343102008

| Fastening | Contact travel | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Screw thread <br> M $12 \times 1$ | Ca. $2,2 \mathrm{~mm}$ | Blade terminal | 5 W | 12 V |



Back to overview

## Backup lamp switches-Plunger switch/NO contact 0343102010



Back to overview

## Backup lamp switches-Plunger switch/NO contact 0343102011

| Fastening | Contact travel | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Screw thread <br> M $18 \times 1,5$ | Ca. 1 mm | Blade terminal | 60 W | 12 V |



Back to overview

## Door-contact switch - Lunger switch NC contact 0343107002

| Fastening | Contact travel | Connection | Capacity | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Screw $\varnothing 4 \mathrm{~mm}$ | Ca. 1 mm | $1-$ pole <br> Blade terminal | 12 W | 24 V |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher Washer system 0340302102


Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## Gear change <br> 0340302103

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | Wall thickness up to 8 mm | Blade terminal | installed |
|  |  |  | 12 V bulb |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## Rotating beacon <br> 0340302104



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## High-beam headlights 0340302105



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## Light <br> 0340302106

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | $\varnothing 30 \mathrm{~mm}$ | Blade terminal | installed |
|  | Wall thickness up to 8 mm |  | 12 V bulb |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## Rotating beacon <br> 0340302107

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | $\varnothing 30 \text { mm }$ <br> Wall thickness up to 8 mm | Blade terminal | installed 12 V bulb |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## Neutral

0340302108

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | $\varnothing$ | Wall thickness up to 8 mm | Blade terminal |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## 4WD

## 0340302109

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | $\varnothing 30 \mathrm{~mm}$ | Blade terminal | installed |
|  | Wall thickness up to 8 mm |  | 12 V bulb |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## Stop <br> 0340302110

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | $\varnothing 30 \text { mm }$ <br> Wall thickness up to 8 mm | Blade terminal | installed 12 V bulb |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## Warning Light 0340302111

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | $\varnothing 30 \text { mm }$ <br> Wall thickness up to 8 mm | Blade terminal | installed 12 V bulb |




Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher Raising and lowering
0340302112


Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher Horn

## 0340302113

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | $\varnothing 30 \text { mm }$ <br> Wall thickness up to 8 mm | Blade terminal | installed 12 V bulb |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher

## Start <br> 0340302114

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | Wall thickness up to 8 mm | Blade terminal | installed |
|  |  |  | 12 V bulb |



Back to overview

Warning light switch - Selector switch for electronic hazard warning light flasher Raising and lowering
0340302115

| Fastening | Fitting | Connection | Voltage |
| :---: | :---: | :---: | :---: |
| Knurled nut | Ø 30 mm | Wall thickness up to 8 mm | Blade terminal |



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# Headlamp-ignition switches 

from page 51 to 60

## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342307001

| Fastening |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Fitting | Connection | Current | Voltage |  |
| polished aluminum <br> octagon nut <br> $M 26 \times 1$ | Ø 26.5 mm with cutout <br> $33.5 \times 7.5 \mathrm{~mm}$ (twist-proof). <br> Wall thickness up to 2 mm. | Screw terminals | 100 A | 24 V |



Back to overview

## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342307002

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| polished aluminum <br> octagon nut <br> $\mathrm{M} 26 \times 1$ | 026.5 mm with cutout <br> $33.5 \times 7.5 \mathrm{~mm}$ (twist-proof). <br> Wall thickness up to 2 mm. | Screw terminals | 100 A | 24 V |



Back to overview

## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342106012

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| polished aluminum <br> octagon nut <br> $\mathrm{M} 26 \times 1$ | $\varnothing 26.5 \mathrm{~mm}$ with cutout <br> $33.5 \times 7.5 \mathrm{~mm}$ (twist-proof). <br> Wall thickness up to 2 mm. | Screw terminals | 100 A | 24 V |



Back to overview

## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342106004

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| polished aluminum <br> octagon nut <br> M $26 \times 1$ | $\varnothing 26.5 \mathrm{~mm}$ with cutout <br> $33.5 \times 7.5 \mathrm{~mm}$ (twist-proof). <br> Wall thickness up to 2 mm. | Screw terminals | 100 A | 24 V |




Back to overview

## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342106005

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| polished aluminum <br> octagon nut <br> $\mathrm{M} 26 \times 1$ | $\varnothing 26.5 \mathrm{~mm}$ with cutout <br> $33.5 \times 7.5 \mathrm{~mm}$ (twist-proof). <br> Wall thickness up to 2 mm. | Screw terminals | 100 A | 24 V |




Back to overview

## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342201010

|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Fastening | Fitting | Connection | Current | Voltage |
| polished aluminum | Ø 26.5 mm with cutout <br> octagon nut <br> $M 26 \times 1$ | $33 \times 7.5 \mathrm{~mm}$ (twist-proof). <br> Wall thickness up to 2 mm. | Screw terminals | 100 A |



Back to overview

## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342201009

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| polished aluminum <br> octagon nut <br> M $26 \times 1$ | 0 <br> $33.5 \times 7.5 \mathrm{~mm}$ (twist-proof). | Screw terminals, <br> blade terminal | 100 A | 24 V |
| Wall thickness up to 2 mm. |  |  |  |  |



Back to overview

## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342202001

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: |
| polished aluminum octagon nut M $26 \times 1$ | $\varnothing 26.5 \mathrm{~mm}$ with cutout $33.5 \times 7.5 \mathrm{~mm}$ <br> Wall thickness up to 2 mm | Screw terminals, blade terminal | E 30 | 100 A | 24 V |



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## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342202002

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: |
| polished aluminum <br> octagon nut <br> M $26 \times 1$ | $\varnothing 26.5 \mathrm{~mm}$ with cutout <br> Wall thickness up to 2 <br> mm | Screw terminals, <br> blade terminal | U 39 | 100 A | 24 V |



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## Key-operated switch up to 24 V , housing $\varnothing 48 \mathrm{~mm}$ 0342203001

| Fastening | Fitting | Connection | Lock-No. | Current |
| :---: | :---: | :---: | :---: | :---: |
| polished aluminum <br> octagon nut <br> M $26 \times 1$ | $\varnothing 26.5 \mathrm{~mm}$ with cutout <br> $33.5 \times 7.5 \mathrm{~mm}$ (twist-proof). <br> Wall thickness up to 2 mm. | Screw terminals, blade <br> terminal | 100 A | 24 V |



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## Ignition switches

From page 62 to 66

## Key-operated switch up to 24 V , with safety lock 0342006001

| Fastening | Fitting | Connection | Lock-No. | Current | Voltag e | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| unpolished aluminum round nut M $22 \times 1$ | $\varnothing 22,5 \mathrm{~mm}$ <br> with cutout <br> Wall thickness up to 3 mm | Blade terminal | E 1 - E 50 | 20 A | 24 V | 60 W |



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## Key-operated switch up to 24 V , with safety lock 0342006003

| Fastening | Fitting | Connection | Lock-No. | Current | Voltag e | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Polished round nut $\text { M22 x } 1$ | $\varnothing 22,5 \mathrm{~mm}$ <br> with cutout <br> Wall thickness up to 3 mm | Blade terminal | E 30 | 20 A | 24 V | 60 W |



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## Key-operated switch up to 24 V , with safety lock 0342006007

| Fastening | Fitting | Connection | Lock-No. | Current | Voltag e | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Polished round nut M22 x 1 | $\varnothing 22,5 \mathrm{~mm}$ <br> with cutout <br> Wall thickness up to 3 mm | Blade Terminal | K 3 | 20 A | 24 V | 60 W |



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## Key-operated switch up to 24 V , with safety lock 0342006009

| Fastening | Fitting | Connection | Lock-No. | Current | Voltag e | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Polished round nut $\text { M22 x } 1$ | $\varnothing 22,5 \mathrm{~mm}$ <br> with cutout <br> Wall thickness up to 3 mm | Blade terminal | E 41 | 20 A | 24 V | 60 W |



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## Key-operated switch up to 24 V , with safety lock 0342006020

| Fastening | Fitting | Connection | Lock-No. | Current | Voltag e | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| unpolished aluminum round nut M $22 \times 1$ | $\varnothing 22,5 \mathrm{~mm}$ <br> with cutout <br> Wall thickness up to 3 mm | Blade terminal | E 1 - E 50 | 20 A | 24 V | 60/5 W |



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# Ignition and starting switches 

## From page 68 to 80

## Key-operated switch up to 24 V , with safety lock

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Octagon and round nut M22 x 1 | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 9 mm | Blade terminal | E 1 - E 50 | 12/9 A | 12/ 24 V | 90 W |



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## Key-operated switch up to 24 V , with safety lock

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Octagon and round nut M22 x 1 | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 9 mm | Blade terminal | K 11 | 12/9 A | 12/ 24 V | 90 W |



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## Key-operated switch up to 24 V , with safety lock

| Fastening | Fitting |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |



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## Key-operated switch up to 24 V , with safety lock

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Octagon and round nut M22 x 1 | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 9 mm | Blade terminal | E 30 | 12/9 A | 12/ 24 V | 90 W |



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## Key-operated switch up to 24 V , with safety lock

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Octagon and round nut M22 x 1 | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 6 mm | Blade terminal | E 80 | 16/8 A | 12/ 24 V | 150 W |



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## Key-operated switch up to 24 V , with safety lock

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Octagon and round nut M22 x 1 | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 6 mm | Blade terminal | E 80 | 16/ 8 A | 12/ 24 V | 150 W |



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## Key-operated starting switch without startrepeating block



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## Key-operated starting switch without startrepeating block



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## Key-operated starting switch without startrepeating block



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## Key-operated starting switch without startrepeating block



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## Key-operated starting switch without startrepeating block



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## Key-operated starting switch without startrepeating block

| Fastening | Fitting | Connection | Degree of <br> protection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Octagon and <br> round nut <br> M22 $\times 1$ | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall <br> thickness up <br> to 7 mm | Blade <br> terminal | IP 30 | M $1-\mathrm{M} 4$ | 9,5,/4,5 A | $12 / 24 \mathrm{~V}$ | 150 W |



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## Key-operated starting switch without startrepeating block

| Fastening | Fitting | Connection | Degree of protection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Octagon and round nut M22 x 1 | $\begin{gathered} \varnothing 22,5 \mathrm{~mm} \\ \text { Wall } \\ \text { thickness up } \\ \text { to } 7 \mathrm{~mm} \end{gathered}$ | Blade terminal | IP 30 | K 30 | 9,5,/4,5 A | 12/ 24 V | 150 W |



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# Battery master switches 

From page 82 to 84

## Lever switch with switch on detent 0341002003

| Fitting | Degree of protection | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| $\varnothing 23,5 \mathrm{~mm}$ <br> 2 holes $\varnothing 6,4 \mathrm{~mm}$ <br> Hole spacing 100 mm <br> Wall thickness up to 25 mm | On handle side IP 00 <br> on housing side IP 54 <br> terminals IP 00 | Threaded terminal for <br> cable lug | 250 A | 24 V |




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## Lever switch with switch on detent 0341003004

| Fitting | Degree of protection | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| $\varnothing 23,5 \mathrm{~mm}$ <br> 2 holes $\varnothing 8,4 \mathrm{~mm}$ <br> Hole spacing 100 mm <br> Wall thickness up to 120 mm | On handle side IP 00 <br> on housing side IP 54 <br> terminals IP 00 | Threaded terminal for <br> cable lug | 250 A | 24 V |




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## Lever switch with switch on detent 0341001001

| Fitting | Degree of protection | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| $\varnothing 23 \mathrm{~mm}$ <br> 2 holes $\varnothing 6,4 \mathrm{~mm}$ <br> Hole spacing 38 mm <br> Wall thickness up to 14 mm | Terminals IP 00 <br> housing IP 50 | Threaded terminal for <br> cable lug | $100 / 500 \mathrm{~A}$ | 24 V |



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# Glow-plug and starting switches 

From page 86 to 93

## Push-pull starting switch 0343008006

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Hexagon nut <br> M10 $\times 1$ | $\varnothing 10,5 \mathrm{~mm}$ <br> Wall thickness up to 3 mm | Screw terminals | $50 / 27 / 12 / 9 \mathrm{~A}$ | $12 / 24 \mathrm{~V}$ |



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## Push-pull starting switch 0343008007

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Hexagon nut <br> M10 1 | $\varnothing 10,5 \mathrm{~mm}$ <br> Wall thickness up to 3 mm | Screw terminals | $50 / 27 / 12 / 9 \mathrm{~A}$ | $12 / 24 \mathrm{~V}$ |



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## Push-pull starting switch 0343008009

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Hexagon nut <br> M10 1 | $\varnothing 10,5 \mathrm{~mm}$ <br> Wall thickness up to 3 mm | Blade terminal | $50 / 27 / 12 / 9 \mathrm{~A}$ | $12 / 24 \mathrm{~V}$ |



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## Rotary starting switch 0343401001

| Fastening | Fitting | Connection | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Pickled aluminum octagon nut | $\varnothing 26,5 \mathrm{~mm}$ <br> Wall thickness up to 2 mm | Screw terminals | 12/9/100 A | 12/ 24 V |



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## Key-operated starting switch 0342315001

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pickled aluminum octagon nut | $\varnothing 26,5 \mathrm{~mm}$ <br> Wall thickness up to 2 mm | Screw terminals | E 30 | 13/33/18/9 A | 12/ 24 V | 150 W |



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## Key-operated starting switch 0342315004

| Fastening | Fitting | Connection | Lock-No. | Current | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Pickled aluminum octagon nut | $\varnothing 26,5 \mathrm{~mm}$ <br> Wall thickness up to 2 mm | Screw terminals | U 39 | 13/33/18/9 A | 12/ 24 V | 150 W |



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## Key-operated light/starting switch 0342316002

| Fastening | Fitting | Conenction | Lock-No. | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: |
| octagon nut and unpolished aluminum round nutM22 x 1 | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 6 mm | Connect terminals, if current above 45 A | E $51-\mathrm{E} 100$ | 13/33/18/9 A | 12/ 24 V |




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## Key-operated light/starting switch 0342316003

| Fastening | Fitting | Conenction | Lock-No. | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: | :---: |
| octagon nut and unpolished aluminum round $\mathrm{M} 22 \times 1$ | $\varnothing 22,5 \mathrm{~mm}$ <br> Wall thickness up to 6 mm | Connect terminals, if current above 45 A | K 80 | 13/33/18/9 A | 12/ 24 V |




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# Glow-plug switches 

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## Preheat lever switch 0343405001

| Fastening | Fitting | Conenction | Current | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| Flush installation | $\varnothing 22 \mathrm{~mm}$ <br> 2 holes $\varnothing 6,4 \mathrm{~mm}$ <br> Hole spacing 38 mm | Bolts | 100 A | 12 V |




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## Rocker switch Reversing changeover switch 0343302003

| Fastening | Connection | Current |  |
| :---: | :---: | :---: | :---: |
| clamping spring, with or without <br> mounting frame | Blade terminal | 72 W | Voltage |
| B |  | 12 V |  |



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# Wiper switches 

## From page 99 to 100

## Rotary switch, wiper pulse generator, soft rubber knob, black 0336920004

| Pulse length | Fastening | Fitting | Conenction | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| $\sim 0,4$ s independent of load | Round nut <br> $\mathrm{M} 10 \times 1$ | $\varnothing 10,5 \mathrm{~mm}$ <br> Wall thickness up to 9 <br> mm | Blade terminal | $6 / 12 \mathrm{~V}$ |



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## Rotary switch, wiper pulse generator, soft rubber knob, black

 0336920003| Pulse length | Fastening | Fitting | Conenction | Voltage |
| :---: | :---: | :---: | :---: | :---: |
| $\sim 0,4$ s independent of load | Round nut <br> $\mathrm{M} 10 \times 1$ | $\varnothing 10,5 \mathrm{~mm}$ <br> Wall thickness up to 9 <br> $m m$ | Blade terminal | 24 V |



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## Turn-signal switches

## From page 102 to 103

## Rotary, single-circuit switch without indicator lamp 0341101001

| Fastening | Fitting | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| Polished aluminium octagon nut M26 x 1 | $\varnothing 26,5 \mathrm{~mm}$ <br> with cutout <br> Wall thickness up to 2 mm | Screw terminals | 12 V | 45 W |



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## Rotary, single-circuit switch with indicator lamp 0341300002

| Fastening | Fitting | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| Polished aluminium octagon nut M26 x 1 | $\varnothing 26,5 \mathrm{~mm}$ with cutout <br> Wall thickness up to 2 mm | Screw terminal | 12 V | 60 W |



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# Turn-signal and combi-switches 

From page 105 to 112

## Lever-type turn-signal switch without headlamp-flasher contact 0341600001

| Fastening | Fitting | Connection | Length | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 holes <br> $\varnothing 4,2 \mathrm{~mm}$ <br> Hole spacing 42 <br> mm | Aperture $32 \times 21$ <br> mm | Screw terminals | 82 mm | 24 V |  |



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## Lever-type turn-signal switch with headlamp-flasher contact 0341810005

| Fastening | Connection | Length | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| steering column with <br> clamping band <br> $\varnothing 45-\varnothing 55 \mathrm{~mm}$ | Blade terminal | 148 mm | 24 V | $80 / 100 \mathrm{~W}$ |



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## Lever-type turn-signal switch with headlamp-flasher contact 0341810013

| Fastening | Connection | Length | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| steering column with <br> clamping band <br> $\varnothing 45-\varnothing 55 \mathrm{~mm}$ | Blade terminal | 109 mm | 24 V | $80 / 100 \mathrm{~W}$ |



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## Lever-type turn-signal switch with headlamp-flasher contact 0341810006

| Fastening | Connection | Length | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| steering column with <br> clamping band <br> $\varnothing 45-\varnothing 55 \mathrm{~mm}$ | Blade terminal | 148 mm | 24 V | $80 / 100 \mathrm{~W}$ |



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## Lever-type combi-switch 0341810007

| Fastening | Connection | Length | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| Clamping ring $\varnothing 45$ | 8-pole flat-pin plug. <br> Cables 400 mm | 220 mm | 24 V | $110 / 60 / 85 \mathrm{~W}$ |



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## Lever-type combi-switch 0341810008

| Fastening | Connection | Length | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| Clamping ring $\varnothing 45$ | 8-pole flat-pin plug. <br> Cables 400 mm | 180 mm | 24 V | $110 / 60 / 85 \mathrm{~W}$ |



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## Lever-type combi-switch 0341810009

| Fastening | Connection | Length | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| Clamping ring $\varnothing 45$ | 8-pole flat-pin plug. <br> Cables 400 mm | 239 mm | 24 V | $110 / 60 / 85 \mathrm{~W}$ |



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## Lever-type combi-switch 0341810010

| Fastening | Connection | Length | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: |
| Clamping ring $\varnothing 45$ | 8-pole flat-pin plug. <br> Cables 400 mm | 180 mm | 24 V | $110 / 60 / 85 \mathrm{~W}$ |



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## Multi-purpose pressure switches

from page 114 to 118

## Pressure switch NO contact 0986345202

| Permissible pressure agents | Permissible operating temperature | Fastening | Connection | Volt age | Capacit | Permissi ble max. pressur e | Switching range | Permissible operating pressure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mineral oil, air | $\begin{gathered} -40^{\circ} \mathrm{C} \ldots+130 \\ { }^{\circ} \mathrm{C} \end{gathered}$ | Screw in thread M12x1,5 | Blade <br> Terminal | $\begin{gathered} 24 \\ \mathrm{~V} \end{gathered}$ | 2 W | 10 bar | $\begin{gathered} 1,8 \text { to } 2,3 \\ \text { bar } \end{gathered}$ | 6 bar |



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## Pressure switch NO contact 0986345203

| Permissible pressure agents | Permissible operating temperature | Fastening | Connectio <br> n | Volt age | Capacity | Permiss ible max. pressur e | Switching range | Permissible operating pressure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mineral oil, air | $\begin{gathered} -25^{\circ} \mathrm{C} \ldots+85 \\ { }^{\circ} \mathrm{C} \end{gathered}$ | Screw in thread M10x1 | Blade terminal | 24 V | 5 W | 15 bar | $\begin{gathered} 0,1 \text { to } 0,5 \\ \text { bar } \end{gathered}$ | 8 bar |



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## Pressure switch NC contact 0986345501

| Permissible pressure agents | Permissible operating temperature | Fastening | Connectio <br> n | Volt age | Capacity | Permissib le max. pressure | Switching range | Permissible operating pressure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mineral oil, air | $\begin{aligned} & -40^{\circ} \mathrm{C} \ldots \\ & +100^{\circ} \mathrm{C} \end{aligned}$ | Screw in thread M12 x 1,5 | Blade terminal | 24 V | 5 W | 12 bar | $\begin{gathered} 4,4 \text { to } 5,1 \\ \text { bar } \end{gathered}$ | 8 bar |



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## Pressure switch NC contact 0986345503

| Permissible pressure agents | Permissible operating temperature | Fastening | Connectio n | Volt age | Capacity | Permissib le max. pressure | Switching range | Permissible operating pressure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mineral oil, air | $\begin{aligned} & -40^{\circ} \mathrm{C} \ldots \\ & +100^{\circ} \mathrm{C} \end{aligned}$ | Screw in thread M12 x 1,5 | Blade terminal | 24 V | 5 W | 15 bar | $\begin{gathered} 5,6 \text { to } 6,6 \\ \text { bar } \end{gathered}$ | 12 bar |



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## Pressure switch NC contact 0986345502

| Permissible pressure agents | Permissible operating temperature | Fastening | Connectio n | Volt age | Capacity | Permissib le max. pressure | Switching range | Permissible operating pressure |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Mineral oil, air | $\begin{aligned} & -40^{\circ} \mathrm{C} \ldots \\ & +100^{\circ} \mathrm{C} \end{aligned}$ | Screw in thread M12 x 1,5 | Blade terminal | 24 V | 5 W | 18 bar | $\begin{gathered} 9,6 \text { to } 10,8 \\ \text { bar } \end{gathered}$ | 18 bar |



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## Universal pressure switch

From page 120 to 121

## Mechanical pressure switch with bayonet connector

## 0986346800

| Operating <br> temperature | Endurance test | Fastening | Connecting thread | Voltag |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |



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## Pressure switch with bayonet connector

## 0986346700

| Operating temperature | Endurance test | Fastening | Connecting thread | Voltag <br> e | Capacity | Working pressure |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $-40^{\circ} \mathrm{C} \ldots+100^{\circ} \mathrm{C}$ | Bis 1 Mio. Zyklen | Einschraub gewinde M12x1,5 | $\begin{gathered} \text { M } 10 \times 1 \\ \text { M } 12 \times 1,5 \\ \text { M } 16 \times 1,5 \end{gathered}$ | 12/24 V | 30 W | 12 bar | 16 bar |



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# Pressure switch 

From page 123 to 157

## Pressure switch NC contact 0986346001

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $2,0+/-0,2$ bar | 2 pole <br> blade terminal 6,3 <br> mm | 24 V | 15 A |




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## Pressure switch NC contact 0986346002

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $M 12 \times 1,5$ | $4,0+/-0,4$ bar | 2 pole <br> blade terminal 6,3 <br> mm | 24 V | 15 A |




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## Pressure switch NC contact 0986346003

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $0,15+/-0,1$ bar | 2 pole <br> blade terminal 6,3 <br> mm | 24 V | 15 A |




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## Pressure switch NC contact 0986346004

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $M 12 \times 1,5$ | $0,5+/-0,15$ bar | 2 pole <br> blade terminal 6,3 <br> mm | 24 V | 15 A |




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## Pressure switch NC contact 0986346005

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $M 12 \times 1,5$ | $6,0+/-0,6$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NC contact 0986346006

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $2,5+/-0,3$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |




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## Pressure switch NC contact 0986346007

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $1,0+/-0,2$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |




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## Pressure switch NC contact 0986346008

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $4,5+/-0,5$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NC contact 0986346009

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $5,0+/-0,5$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |




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## Pressure switch NC contact 0986346010

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $M 12 \times 1,5$ | $0,8+/-0,15$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NC contact 0986346011

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M12x1,5 | $3,0+/-0,3$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |




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## Pressure switch NC contact 0986346012

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $M 12 \times 1,5$ | $5,5+/-0,6$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |




Back to overview

## Pressure switch NC contact 0986346021

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 <br> (Internal thread) | $0,15+/-0,1$ bar | 2 pole |  |  |
| blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |  |  |




Back to overview

## Pressure switch NC contact 0986346022

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 <br> (Internal thread) | $0,5+/-0,15$ bar | 2 pole | 24 V | 15 A |




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## Pressure switch NC contact 0986346023

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M12x1,5 <br> (Internal thread) | $4,0+/-0,4$ bar | 2 pole |  |  |
| blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |  |  |




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## Pressure switch NC contact 0986346032

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | $2,0+/-0,2$ bar | 2 pole | 24 V | 15 A |




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## Pressure switch NC contact 0986346033

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | $3,0+/-0,3$ bar | 2 pole | 24 V | 15 A |




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## Pressure switch NC contact 0986346034

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | $4,0+/-0,4$ bar | 2 pole | 24 V | 15 A |




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## Pressure switch NO contact 0986346051

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $5,5+/-0,6$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346052

| Befestigung | Schaltdruckbereich | Anschluss | Volt | Stromstärke |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $2,0+/-0,2$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346053

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $0,3+/-0,1$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346054

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $3,5+/-0,4$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346055

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $4,1+/-0,4$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346056

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $4,5+/-0,5$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346057

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $5,0+/-0,5$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346058

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $1,2+/-0,2$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346059

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $6,0+/-0,6$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346060

| Befestigung | Schaltdruckbereich | Anschluss | Volt | Stromstärke |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $5,2+/-0,5$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346061

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | $5,7+/-0,6$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346062

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $M 12 \times 1,5$ | $6,6+/-0,6$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346071

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 <br> (Internal thread) | $4,5+/-0,5$ bar | 2 pole |  |  |
| blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |  |  |



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## Pressure switch NO contact 0986346072

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 <br> (Internal thread) | $5,5+/-0,6$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Pressure switch NO contact 0986346073

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 <br> (Internal thread) | $5,7+/-0,6$ bar | 2 pole |  |  |
| blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |  |  |



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## Pressure switch NO contact 0986346081

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | $4,2+/-0,4$ bar | 2 pole |  |  |



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## Pressure switch NO contact 0986346082

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | $2,0+/-0,2$ bar | 2 pole <br> blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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# Temperature switch 

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## Temperature switch 0986347005

| Fastening | Temperature range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M22x1 <br> $5-6 \mathrm{~g}$ | $92^{\circ} \mathrm{C} \ldots 87^{\circ} \mathrm{C}$ | blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Temperature switch 0986347003

| Fastening | Temperature range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M22x1 <br> $5-6 \mathrm{~g}$ | $88^{\circ} \mathrm{C} . . .9^{\circ} \mathrm{C}$ | blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Temperature switch 0986347004

| Fastening | Temperature range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M22x1 <br> $5-6 \mathrm{~g}$ | $95^{\circ} \mathrm{C} \ldots 86^{\circ} \mathrm{C}$ | blade terminal $6,3 \mathrm{~mm}$ | 24 V | 15 A |



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## Temperature switch 0986347002

| Fastening | Temperature range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $M 22 x 1$ <br> $5-6 \mathrm{~g}$ | $82^{\circ} \mathrm{C} \ldots 68^{\circ} \mathrm{C}$ | 2 pole <br> blade terminal 6,3 <br> mm | 24 V | 15 A |




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## Oil-pressure warning switches

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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344082

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 | 0,15 to 0,45 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344085

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 | 0,3 to 0,5 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344090

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M10x1 | 0,5 to 0,8 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344055

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M10x1 <br> (tapered short) | 0,5 to 0,15 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |




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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344044

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M10x1 <br> (tapered short) | 0,15 to 0,45 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344032

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M10x1 <br> (tapered short) | 0,2 to 0,49 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |




## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344058

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | 0,2 to 0,5 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344084

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | 0,5 to 0,8 bar | 1 pole screw <br> terminal <br> M 4 | Up to 24 V | 5 W |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344051

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw terminal <br> M10x1 <br> (tapered short) | 0,3 to 0,6 bar | 1 pole screw <br> terminal <br> M 4 | Up to 24 V | 5 W |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344056

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | 0,3 to 0,6 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |




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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344052

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | 0,5 to 0,8 bar | 1 pole screw <br> terminal <br> M 4 | Up to 24 V | 5 W |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344033

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | 0,5 to 0,8 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |




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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344053

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | 0,8 to 1,2 bar | 1 pole screw <br> terminal <br> M 4 | Up to 24 V | 5 W |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344041

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M10x1 <br> (tapered short) | 0,8 to 1,2 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344040

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M12x1,5 | 0,2 to 0,5 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344089

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M12x1,5 | 0,3 to 0,55 bar | 1 pole screw <br> terminal | Up to 24 V | 5 W |




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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344035

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M12x1,5 | 0,5 to 0,15 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344077

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $M 12 \times 1,75$ | 1,2 to 1,7 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344046

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M14x1,5 | 0,15 to 0,45 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344080

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> M14x1,5 | 0,3 to 0,55 bar | 1 pole screw <br> terminal <br> M 4 | Up to 24 V | 5 W |




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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344036

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in terminal <br> M14x1,5 | 0,3 to 0,55 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344086

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $1 / 4 "-18 ~ N P T F ~$ 0,2 to 0,6 bar | 1 pole <br> threaded pins | Up to 24 V | 5 W |  |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344076

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $1 / 8 "-27 ~ P T F ~$ | 0,3 to 0,6 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



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## Oil-pressure warning systems - European vehicles - Two chamber system 0986344087

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $1 / 8 "-27 ~ P T F ~$ | 0,15 to 0,45 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344054

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> SAE short | 0,5 to 0,8 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |



## Back to overview

## Oil-pressure warning systems - European vehicles - Two chamber system 0986344074

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $1 / 8 "-27 ~ N P T F ~$ 0,4 to 0,7 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |  |



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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345007

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $R 1 / 8 "-28 ~ B S P ~$ <br> (tapered) | 0,16 to 0,18 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |




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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345001

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $R 1 / 8 "-28 ~ B S P ~$ <br> (tapered) | 0,25 to 0,35 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |




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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345017

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $R 1 / 8 "-28 ~ B S P ~$ <br> (tapered) | 0,25 to 0,35 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |




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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345000

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> R $1 / 8 "-28 ~ B S P$ <br> (tapered) | 0,25 to 0,35 bar | 1 pole plate <br> terminal | Up to 24 V | 5 W |




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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345012

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $R 1 / 8 "-28 ~ B S P ~$ <br> (tapered) | 0,25 to 0,35 bar | 1 pole plate <br> terminal | Up to 24 V | 5 W |




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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345005

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> R 1/8"-28 BSP <br> (tapered) | 0,28 to 0,38 bar | 1 pole plate <br> terminal | Up to 24 V | 5 W |



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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345008

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $R 1 / 8 "-28 ~ B S P ~$ <br> (tapered) | 0,28 to 0,34 bar | 1 pole blade <br> terminal | Up to 24 V | 5 W |




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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345009

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> R $1 / 8^{\prime \prime}-28$ BSP <br> (tapered) | 0,30 to 0,32 bar | 1 pole pin terminal | Up to 24 V | 5 W |




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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345006

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> R 1/8"-28 BSP <br> (tapered) | 0,30 to 0,38 bar | 1 pole screw | Up to 24 V | 5 W |




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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345003

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> R $1 / 8^{\prime \prime}-28 \mathrm{BSP}$ <br> (tapered) | 0,30 to 0,40 bar | 1 pole pin terminal | Up to 24 V | 5 W |



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## Oil pressure warning switches - Japanese vehicles Single-chamber system 0986345004

| Fastening | Operating pressure <br> range | Connection | Voltage | Current |
| :---: | :---: | :---: | :---: | :---: |
| Screw in thread <br> $R 1 / 8 "-28 ~ B S P ~$ <br> (tapered) | 0,30 to 0,45 bar | 1 pole screw <br> terminal | Up to 24 V | 5 W |



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# Stop lamp switches 

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## Stop lamp switches 0986345413

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| pneumatic | Screw in thread <br> M12x1,5 | 0,1 to 0,3 bar | 2 pole pin <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345408

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| pneumatic | Screw in thread <br> M12x1,5 | 0,1 to 0,5 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345409

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| pneumatic | Screw in thread <br> M12x1,5 | 0,1 to 0,5 bar | 2 pole blade <br> terminal <br> $6,3 \mathrm{~mm}$ | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345410

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| pneumatic | Screw in thread <br> M12x1,5 | 0,1 to 0,5 bar | 2 pole pin <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345414

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| pneumatic | Screw in thread <br> M12x1,5 | 0,75 to 1,0 bar | 2 pole pin <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345411

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| pneumatic | Screw in thread <br> M12x1,5 | 1,0 to 1,4 bar | 2 pole pin <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345112

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread <br> M10x1 <br> (tapered short) | 2,0 to 4,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345114

| Type of actuation | Fastening | Operating pressure range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread M10x1 (tapered short) | 2,0 to 4,0 bar | 2 pole blade terminal | 12/ 24 V | 100/150 W |



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## Stop lamp switches 0986345115

| Type of actuation | Fastening | Operating pressure range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread M10x1 (tapered short) | 2,0 to 5,0 bar | 2 pole pin terminal | 12/ 24 V | 100/150 W |



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## Stop lamp switches 0986345116

| Type of actuation | Fastening | Operating pressure range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread M10x1 (tapered short) | 2,0 to 5,0 bar | 2 pole blade terminal | 12/ 24 V | 100/150 W |



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## Stop lamp switches 0986345110

| Type of actuation | Fastening | Operating pressure range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread M10x1 (tapered short) | 3,0 to 6,0 bar | 2 pole blade terminal | 12/ 24 V | 100/150 W |



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## Stop lamp switches 0986345113

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread <br> M10x1 <br> (tapered short) | 3,0 to 6,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345117

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread <br> M10x1 <br> (tapered short) | 3,0 to 6,0 bar | 2 pole pin <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |




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## Stop lamp switches 0986345119

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread <br> $1 / 8 " \times 27$ NPTF <br> SAE-short | 2,0 to 4,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345120

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread <br> $1 / 8 " \times 27$ NPTF <br> SAE-short | 2,0 to 5,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986345111

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| hydraulic | Screw in thread <br> $1 / 8 " \times 27$ NPTF <br> SAE-short | 3,0 to 6,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346409

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches | Screw in thread <br> M12x1,5 | 0,1 to 0,5 bar | 2 pole blade <br> terminal <br> $6,3 \mathrm{~mm}$ | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346414

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches | Screw in thread <br> M12x1,5 | 0,75 to 1,0 bar | 2 pole pin <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346110

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches | Screw in thread <br> M10x1 <br> (tapered short) | 3,0 to 6,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346112

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches | Screw in thread <br> M10x1 <br> (tapered short) | 2,0 to 4,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346115

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches | Screw in thread <br> M10x1 <br> (tapered short) | 2,0 to 5,0 bar | 2 pole pin <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346111

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches | Screw in thread <br> $1 / 8 " \times 27$ NPTF <br> SEA-short | 3,0 to 6,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346119

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches | Screw in thread <br> $1 / 8 " \times 27$ NPTF <br> SEA-short | 2,0 to 4,0 bar | 2 pole blade <br> terminal | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346370

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches/NC <br> contact | Screw in thread <br> M $14 \times 1,5$ | 0,30 to 0,55 bar | 1 pole blade terminal <br> $1,5 \times 0,8$ Messing <br> silver-plated | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346371

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches $/ \mathrm{NC}$ <br> contact | Screw in thread <br> M $10 \times 1,0$ | 0,30 to 0,55 bar | 1 pole blade terminal <br> $1,5 \times 0,8$ Messing <br> silver-plated | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346372

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches $/ \mathrm{NC}$ <br> contact | Screw in thread <br> M $10 \times 1,0$ | 0,20 to 0,40 bar | 1 pole blade terminal <br> $1,5 \times 0,8$ Messing <br> silver-plated | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346373

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches/NC <br> contact | Screw in thread <br> M 10x1,0 | 0,10 to 0,30 bar | 1 pole blade terminal <br> $1,5 \times 0,8$ Messing <br> silver-plated | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346374

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches/NC <br> contact | Screw in thread <br> M $12 \times 1,5$ | 0,20 to 0,40 bar | 1 pole blade terminal <br> $1,5 \times 0,8$ Messing <br> silver-plated | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |




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## Stop lamp switches 0986346375

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches/NC <br> contact | Screw in thread <br> M16x1,5 | 0,45 to 0,75 bar | 1 pole blade terminal <br> $1,5 \times 0,8$ Messing <br> silver-plated | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Stop lamp switches 0986346376

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches/NC <br> contact | Screw in thread <br> M14x1,5 | 0,45 to 0,75 bar | 1 pole blade terminal <br> $1,5 \times 0,8$ Messing <br> silver-plated | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |




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## Stop lamp switches 0986346377

| Type of actuation | Fastening | Operating pressure <br> range | Connection | Voltage | Capacity |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Oil-pressure <br> switches $/ \mathrm{NC}$ <br> contact | Screw in thread <br> M10x1,0 | 1,80 to 2,20 bar | 1 pole blade terminal <br> $1,5 \times 0,8$ Messing <br> silver-plated | $12 / 24 \mathrm{~V}$ | $100 / 150 \mathrm{~W}$ |



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## Flush-mounted and indicator switches

Product range „Classic design" Type 1


Symbol illumination options


Version A
Applications: Non-illuminated switches or switches with direct illumination
by lighting element.


Version B
Applications: Illuminated switches
Applications: Iluminated switches
(light shines through plastic diaphragm, (light shines thre
diffuse light).


Version C
Applications: Illuminated switches.
When not switched on, the switch is only dimly lit (diffuse light: position of switch can be seen). It is more brightly lit when switched on (switch set to ON : bright light).

Key to circuit diagram symbols
This switch can be set to different positions.
Rocker switch
This switch returns to its original
position after being actuated.
$\Delta^{\prime} \lambda$ Double locking Status is retained until switch is actuated again.

Single locking
Switch engages.

- Non-locking switch Switch function in the form of a button.
- -1

Non-locking switch
Switch function in the form of a button on both sides.

## Flush-mounted and indicator switches

 0986348001


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## Flush-mounted and indicator switches

 0986348151


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## Flush-mounted and indicator switches

 0986348174| Light | Lock (On) | Lock (Ofi) | Voltage |
| :---: | :---: | :---: | :---: |
| $C$ | $x$ | $x$ | 12 V |




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## Flush-mounted and indicator switches

 0986348301

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## Flush-mounted and indicator switches

 0986348451


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## Flush-mounted and indicator switches

0986348474

| Light | Lock (On) |  | Voltage |
| :---: | :---: | :---: | :---: |
| $C$ | $x$ | $x$ | 12 V |




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# Function symbols/ Accessories 

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## Function symbols <br> 0986348711



## Function symbols 0986348707



## Function symbols 0986348705



## Function symbols 0986348708



## Function symbols 0986348706

| Symbol | Description |
| :---: | :---: |
| कy | Wipers/washer system |

## Function symbols 0986348710



## Function symbols 0986348703

| Symbol | Description |
| :---: | :---: |
| ED | Main beam |

## Function symbols 0986348700

| Symbol | Description |
| :---: | :---: |
| 用 | Floodlamp |

## Function symbols 0986348704

| Symbol | Description |
| :---: | :---: |
| A | Hazard warning system |

## Function symbols 0986348709



## Function symbols 0986348701



Adjustment of blower
speed

## Function symbols 0986348702

| Symbol | Description |
| :---: | :---: |
| Ca | Cylinder setting |

## Accessories <br> 0986348618



Mounting frame


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## Accessories <br> 0986348617



Mounting frame


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## Accessories 0986348616



Mounting frame


## Accessories 0986348615



Mounting frame


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## Accessories <br> 0986348600



Mounting frame


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## Accessories

0986348621


Screen


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## Accessories 0986348601

| Name | Voltage | Bulb |
| :---: | :---: | :---: |
| Soclet | 12 V | incl. 1 bulb |



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## Accessories 0986348602

| Name | Voltage | Bulb |
| :---: | :---: | :---: |
| Soclet | 24 V | incl. 1 bulb |



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## Accessories 0986348603

| Name | Voltage | Bulb |
| :---: | :---: | :---: |
| Soclet | 12 V | incl. 2 bulbs |



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## Accessories 0986348604

| Name | Voltage | Bulb |
| :---: | :---: | :---: |
| Soclet | 24 V | incl. 2 bulbs |



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## Accessories 0986348608

| Name | Voltage | Bulb |
| :---: | :---: | :---: |
| Soclet | 12 V | incl. 1 bulb |



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## Accessories 0986348610

| Name | Voltage | Bulb |
| :---: | :---: | :---: |
| Soclet | 24 V | incl. 1 bulb |



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## Accessories 0986348609

| Name | Voltage | Bulb |
| :---: | :---: | :---: |
| Soclet | 12 V | incl. 2 bulbs |



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## Accessories 0986348611

| Name | Voltage | Bulb |
| :---: | :---: | :---: |
| Soclet | 24 V | incl. 2 bulbs |



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## Accessories 0986348624

| Name | Voltage |
| :---: | :---: |
| Plug-in tamp | 12 V |



## Accessories 0986348623

| Name | Voltage |
| :---: | :---: |
| Plug-in tamp | 24 V |



## Accessories 0986348619

| Name | Voltage |
| :---: | :---: |
| Plug-in tamp | 12 V |



## Accessories 0986348620

| Name | Voltage |
| :---: | :---: |
| Plug-in tamp | 24 V |



## Accessories 0986348606

| Name | Voltage |
| :---: | :---: |
| Plug-in tamp | 12 V |



## Accessories 0986348607



## Accessories <br> 0986348622



Soclet


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## Accessories 0986348605



Soclet


