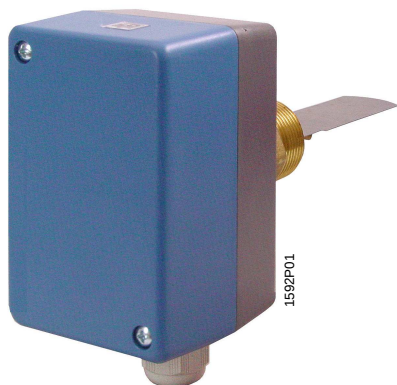




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Průtokový spínač

pro kapaliny, pro potrubí DN 32...200

QVE1900

Použití

Pro sledování průtoku kapalin v hydraulických okruzích v systémech vytápění, větrání a klimatizace (VVK), zejména pro systémy chlazení, tepelná čerpadla a otopné soustavy, např. pro kondenzátory, kotle, výměníky tepla atd.

Objednávání

Při objednávání specifikujte počet kusů, název a typové označení :
1 ks Průtokový spínač **QVE1900**

Princip funkce

Přístroj indikuje průtok média v potrubí prostřednictvím lopatky. Jestliže rychlost proudění v potrubí poklesne pod nastavenou hodnotu, lopatka ovládá mikrospínač s bezpotenciálovým kontaktem (S.P.D.T.) a kontakty 1–4 se sepnou. Pokud rychlost proudění v potrubí opět stoupne nad nastavenou hodnotu, kontakty 1–2 se sepnou. Spínací hodnota je nastavitelná (viz. také "Projektování,...").

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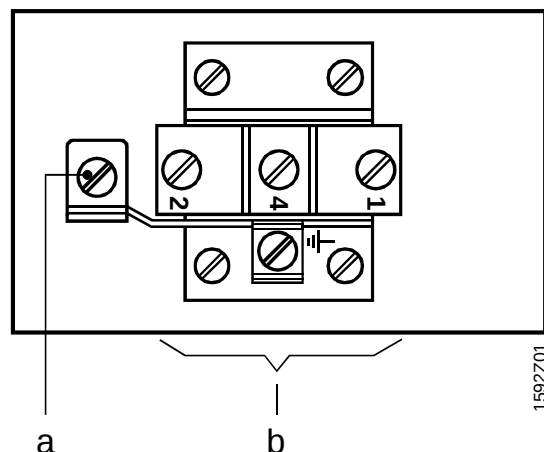
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Přístroj se skládá z pouzdra s přípojovacím závitem R1" a z krytu.

V pouzdru je mikrospínač, páčka s nastavovacím šroubem (pro nastavení spínací hodnoty), držák lopatky a otvor pro průchod kabelu. Držák lopatky se dodává se třemi vysouvateľnými lopatkami o různých délkách. Čtvrtá lopatka je přiložena.

Kryt je připevněn k pouzdru dvěma šrouby.

Nastavovací prvek a
přípojovací svorky



Legenda :

- a Šroub pro nastavení spínací hodnoty
b Přípojovací svorky

Spínací hodnota je továrně nastavena na min. průtok (viz. kapitola "Projektování,...")

Projektování, montáž a uvedení do provozu

Projektování

- Průtokový spínač se montuje do T-kusu R1" dle EN DIN 10241 (ocelové armatury se závitem) a EN DIN 10242 (litinové armatury se závitem)
- Všechny rozměry a údaje v tabulce spínacích hodnot se vztahují na vodu 20 °C, při použití T-kusu a pro **vodorovné** potrubí
- Před spínačem jsou nutné uklidňovací úseky potrubí o délce desetinásobku jmenovitého průměru potrubí, za spínačem o délce pětinasobku průměru potrubí

Montáž

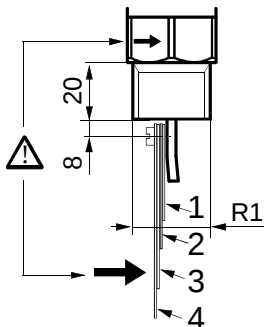
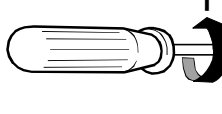
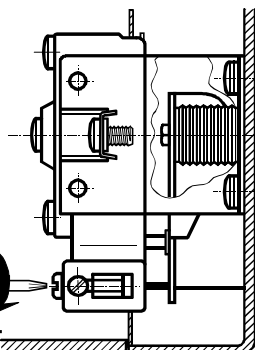
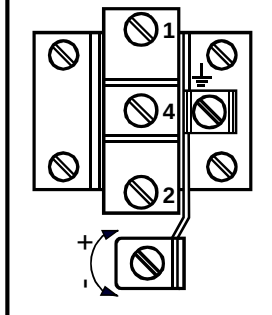
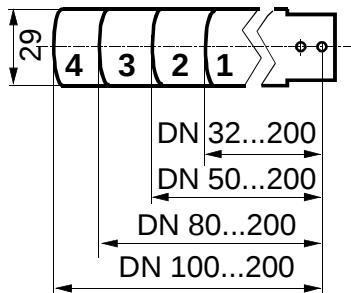
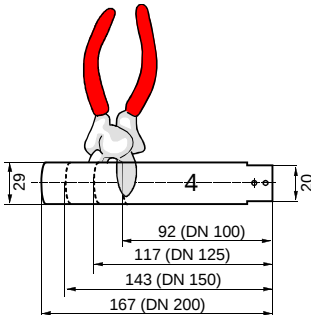
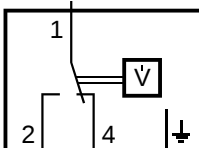
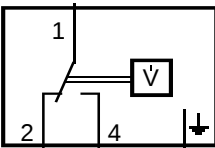
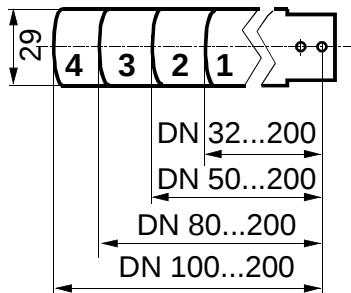
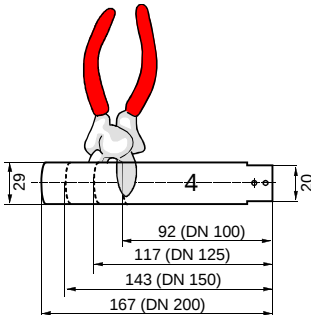
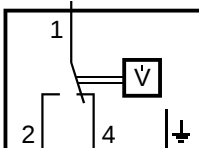
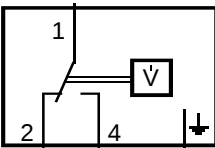
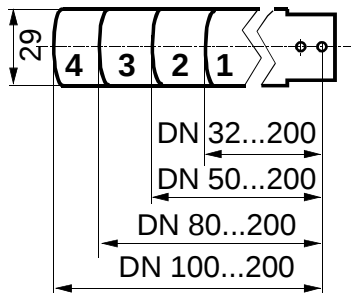
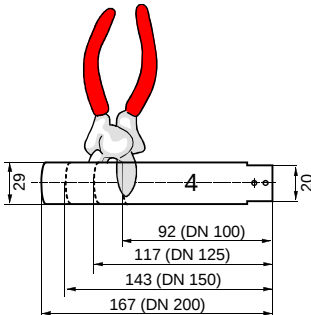
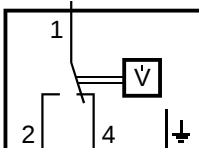
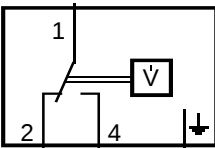
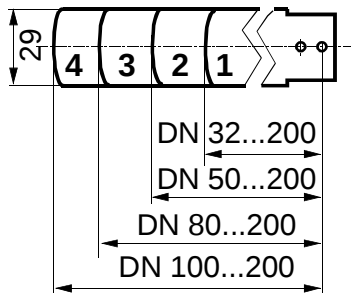
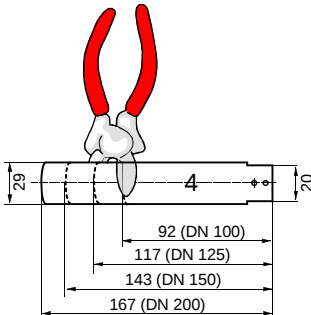
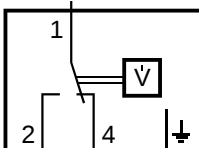
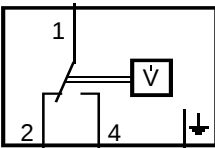
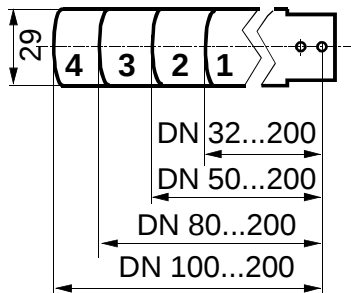
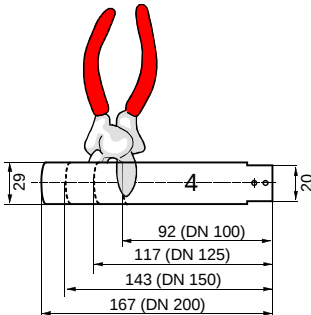
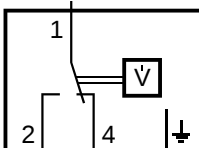
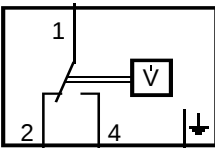
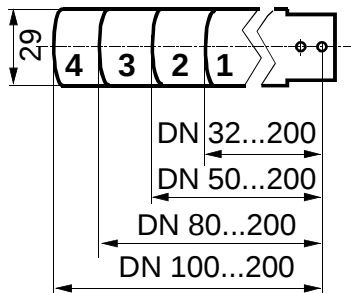
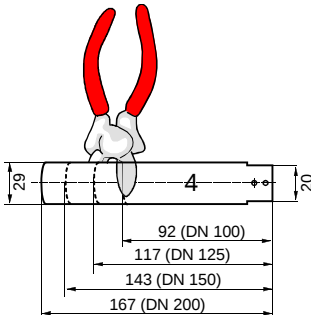
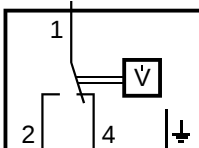
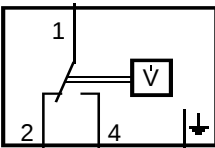
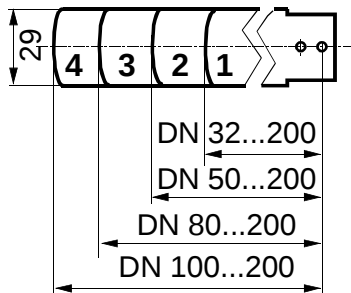
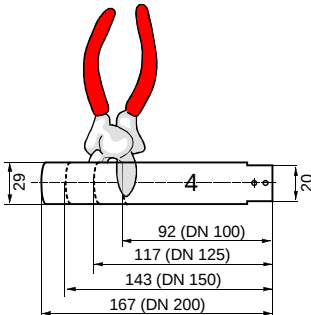
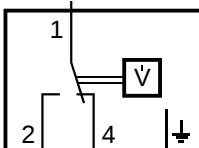
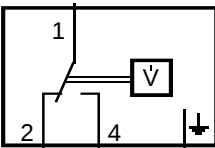
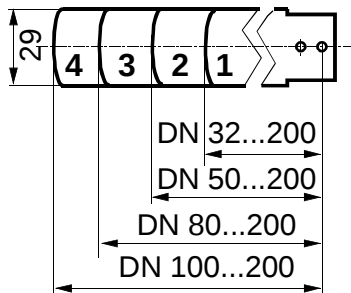
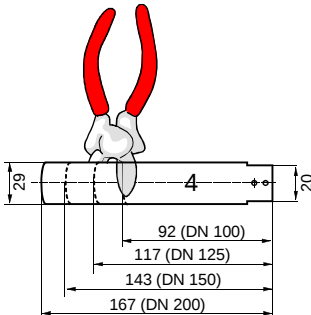
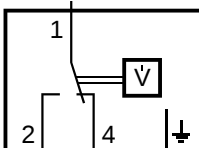
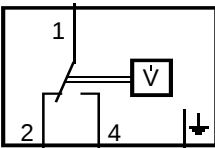
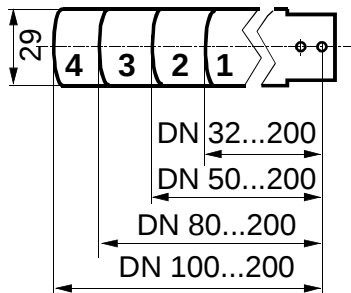
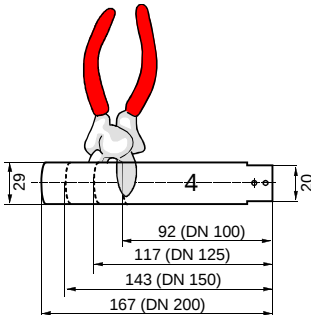
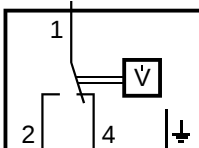
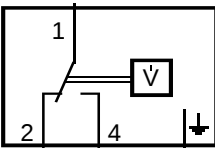
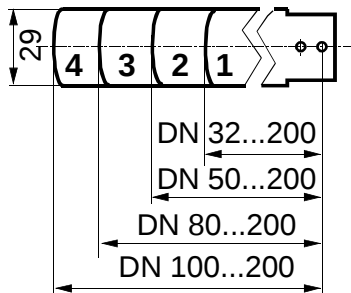
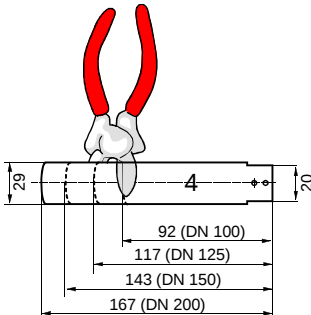
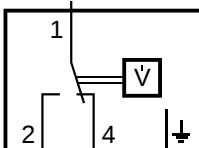
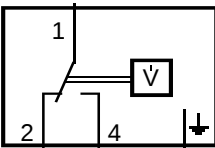
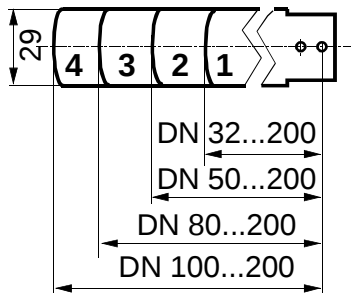
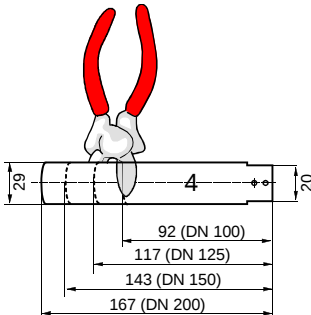
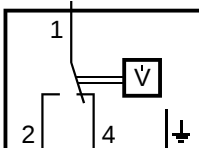
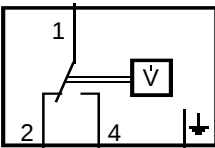
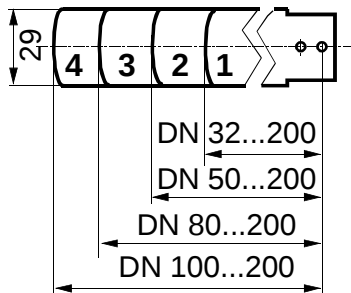
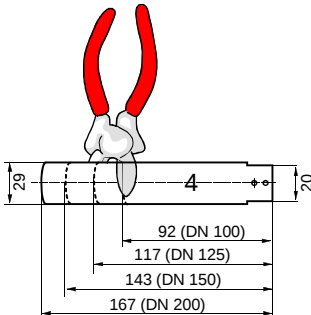
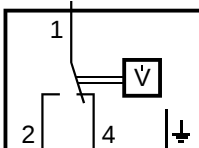
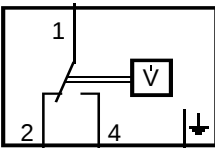
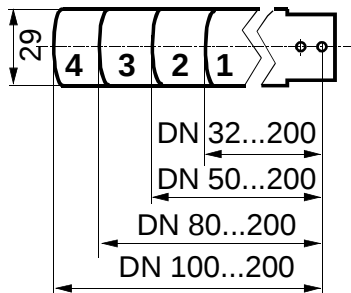
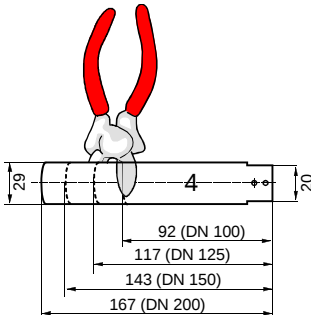
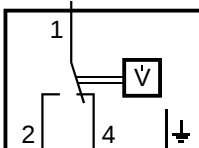
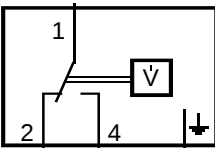
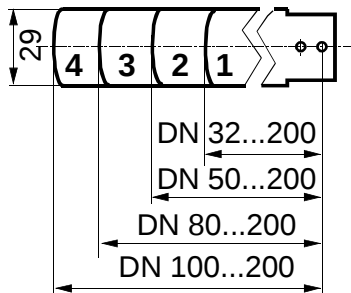
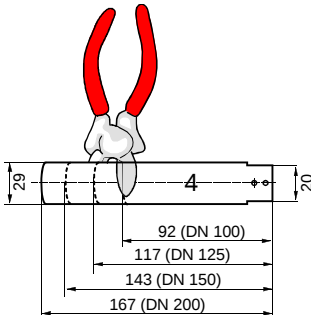
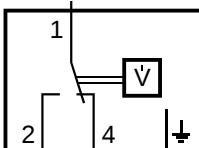
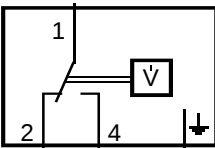
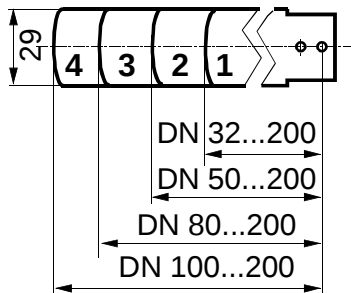
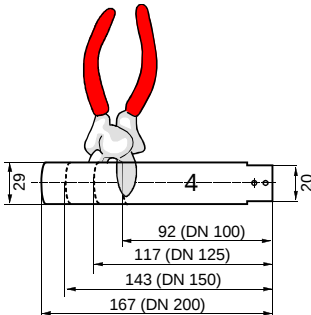
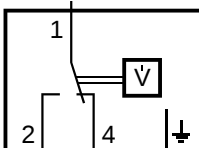
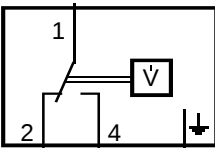
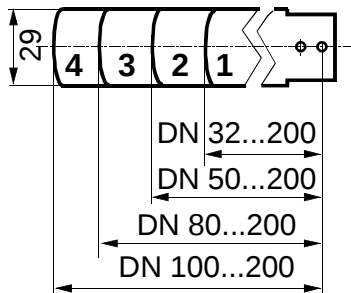
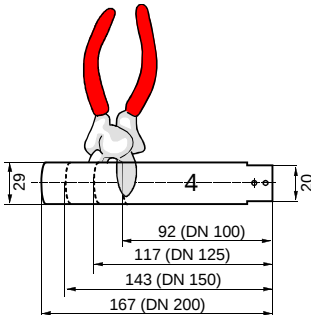
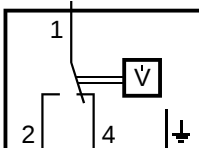
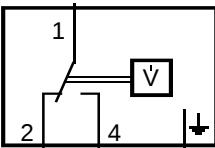
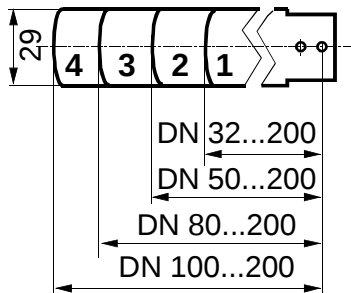
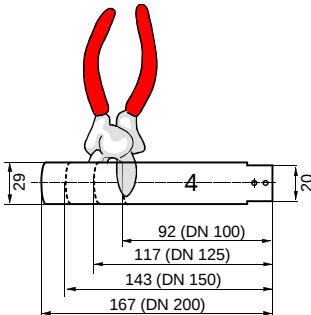
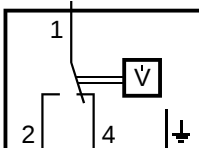
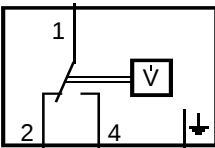
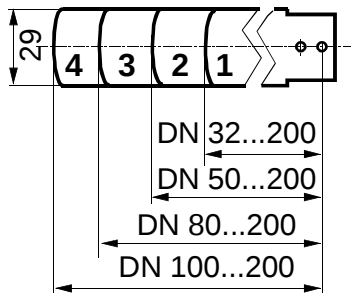
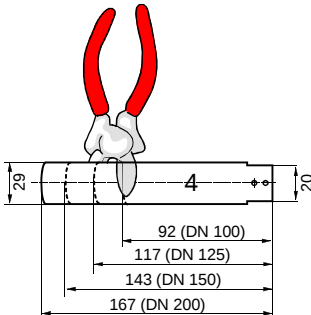
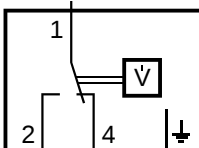
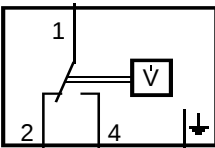
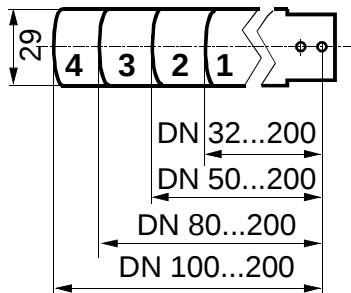
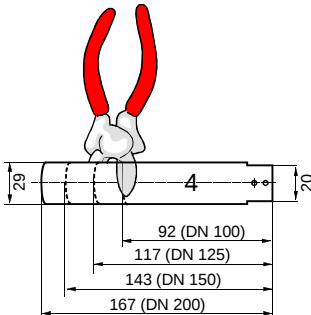
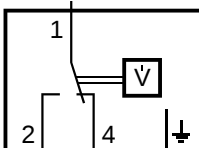
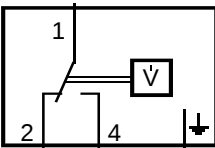
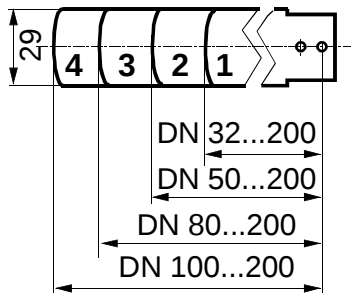
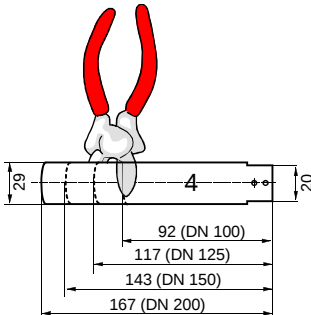
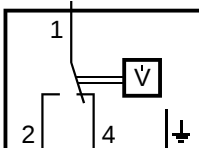
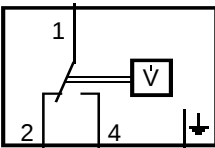
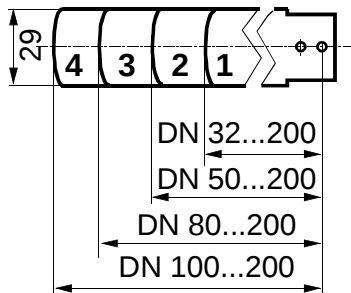
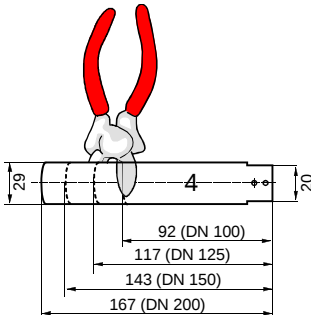
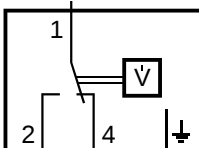
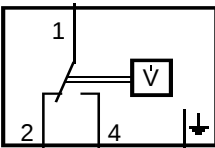
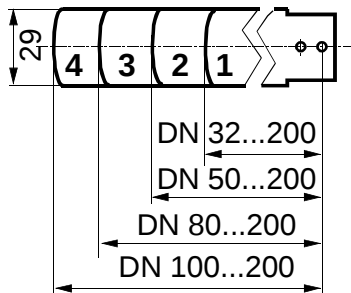
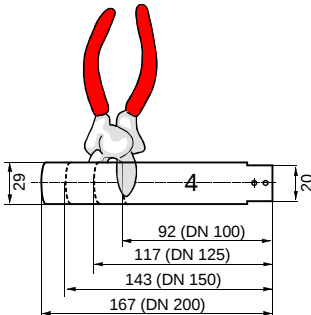
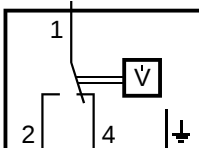
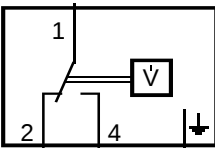
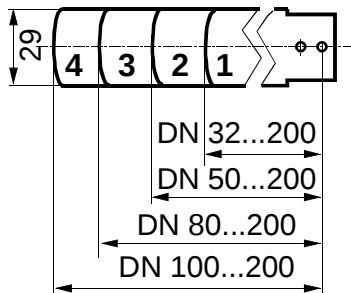
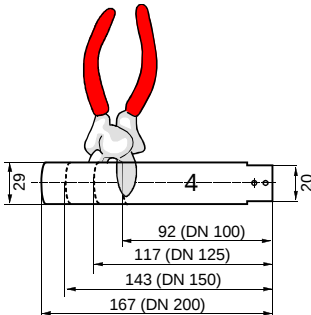
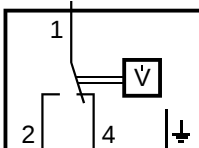
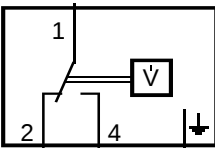
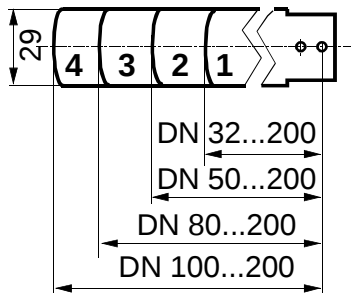
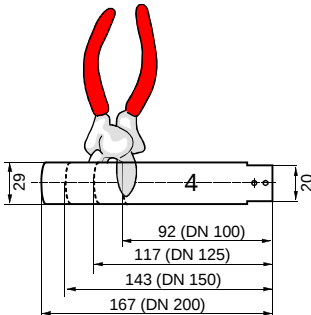
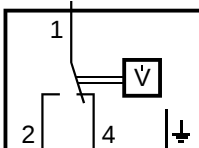
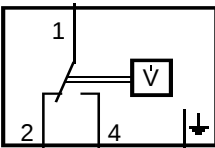
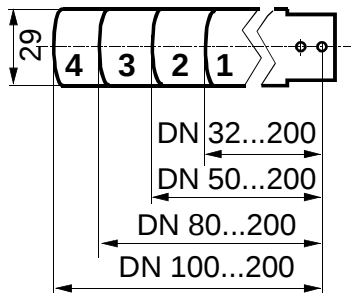
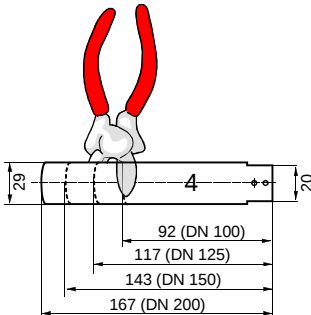
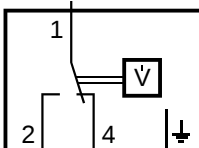
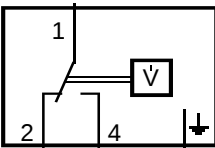
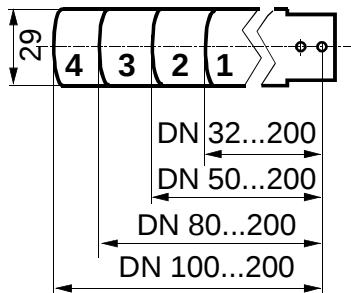
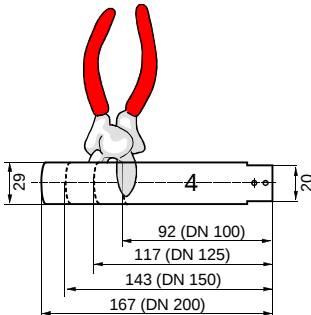
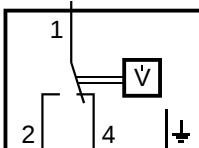
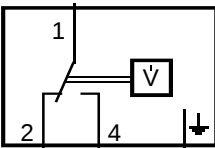
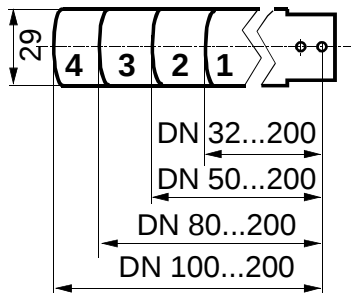
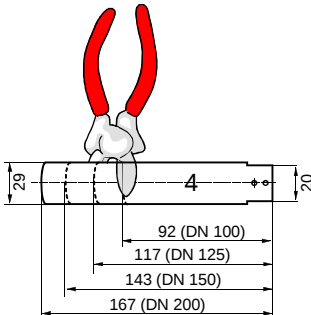
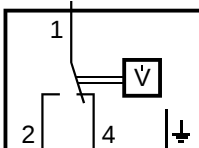
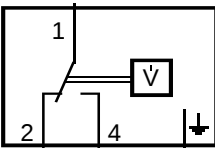
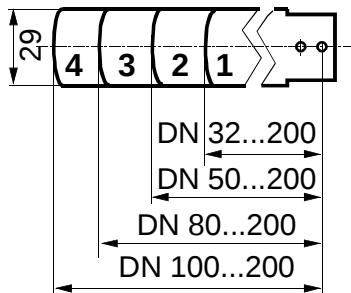
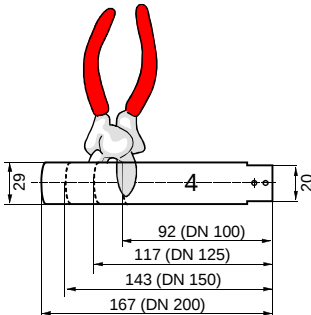
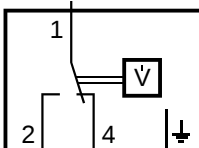
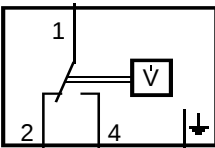
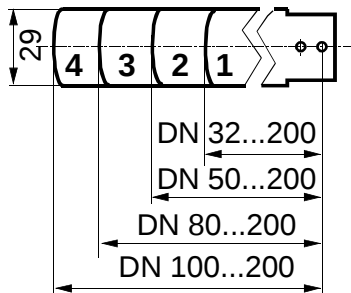
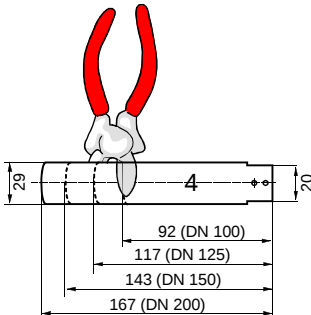
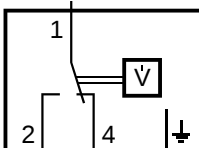
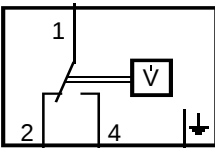
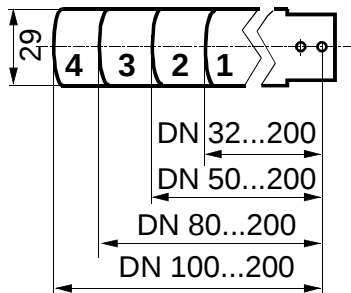
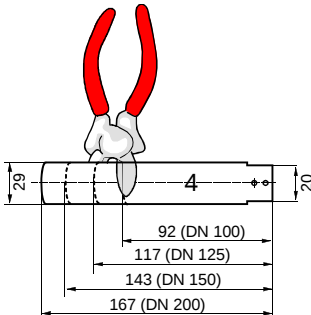
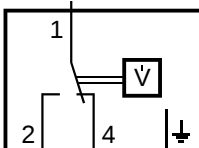
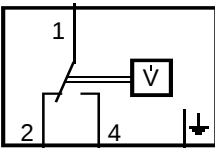
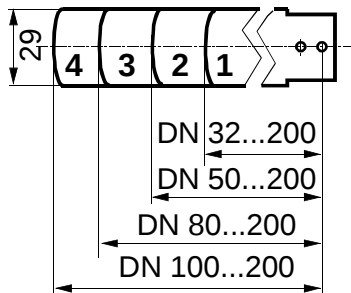
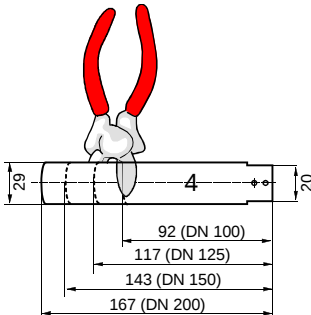
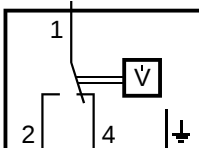
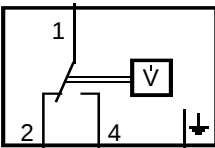
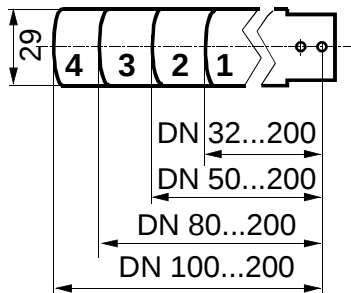
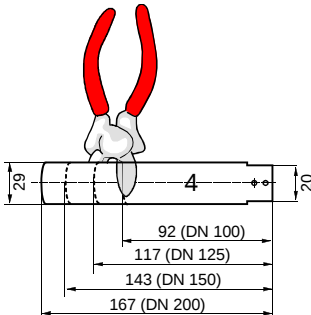
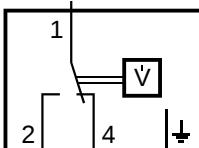
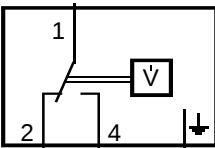
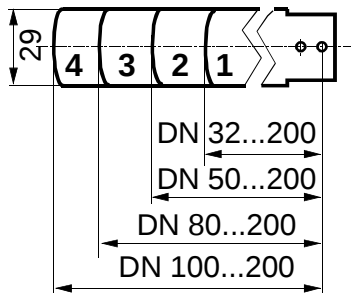
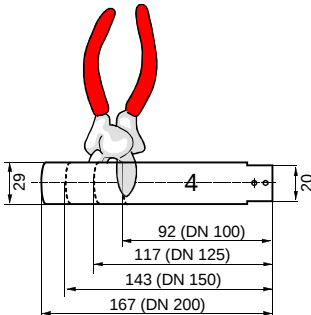
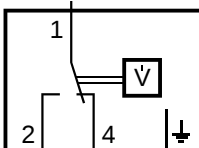
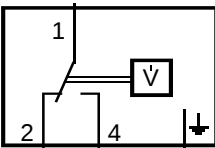
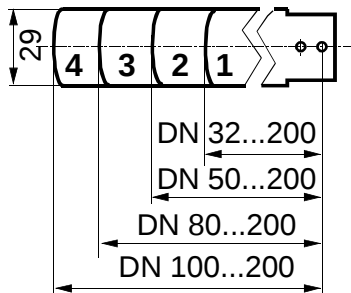
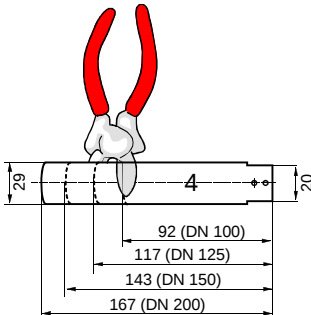
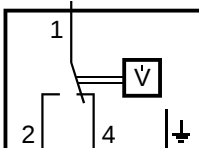
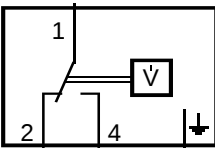
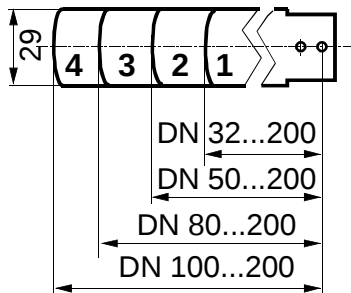
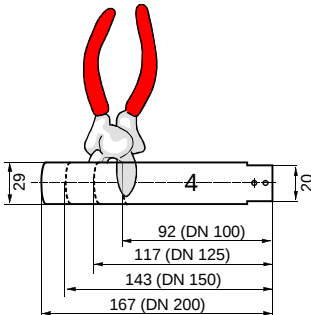
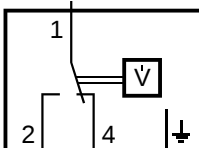
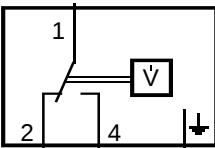
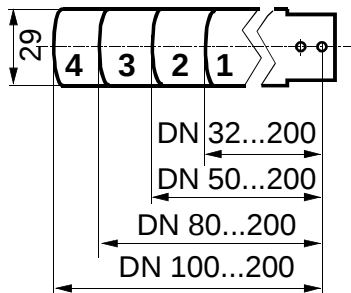
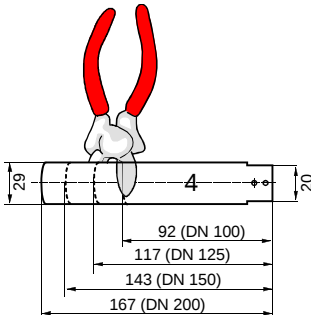
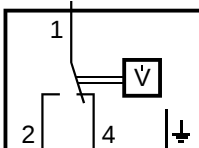
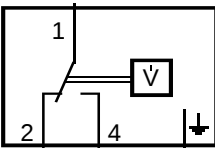
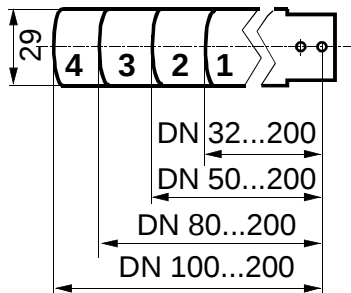
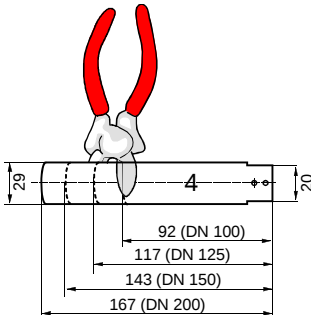
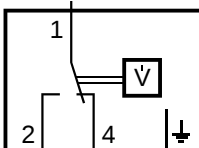
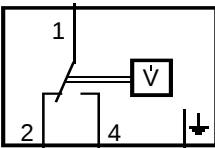
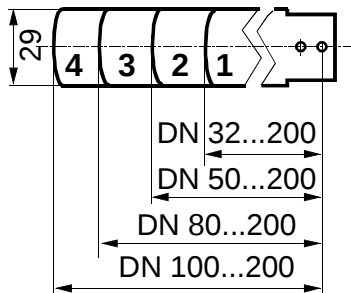
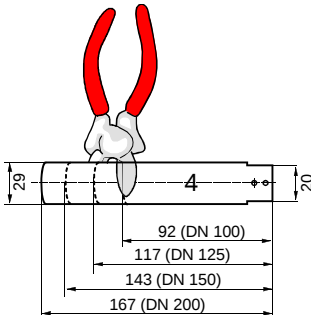
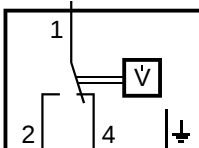
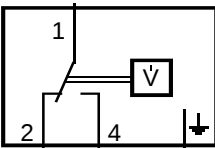
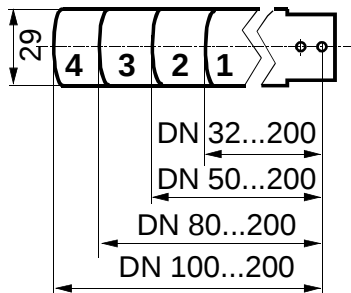
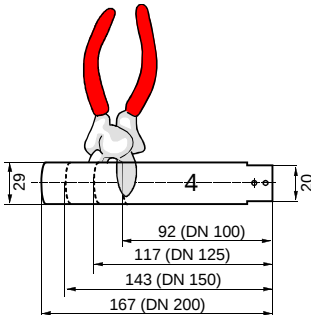
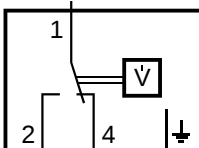
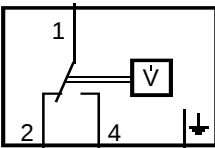
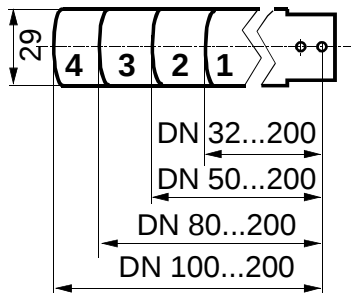
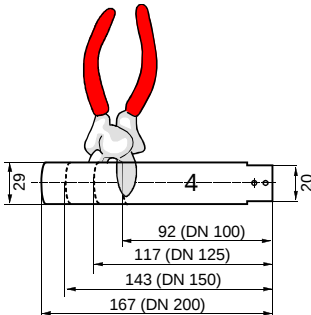
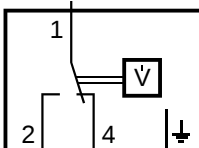
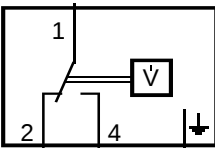
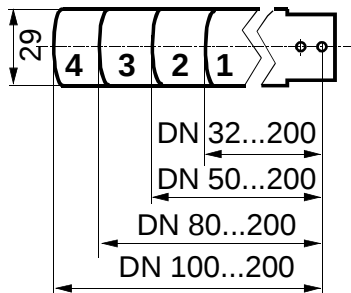
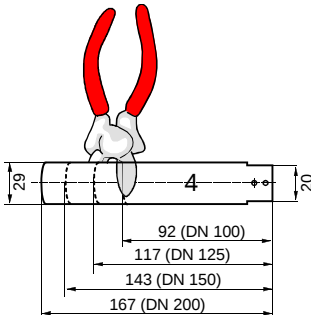
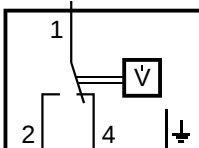
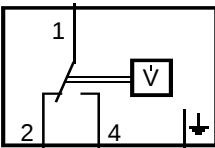
- Před namontováním průtokového spínače namontujte kabelovou průchodku a zajistěte montáž T-kusu R1" do potrubí
- Přístroj namontujte svisle na vodorovné potrubí
- Při montáži musí směr vyznačený šipkami na přípojovacím závitu průtokového spínače souhlasit se směrem proudění v potrubí
- Při použití spínače na větších průměrech potrubí neodstraňujte z důvodu pevnosti kratší lopatky

Připojení

- Dodržujte místní normy a předpisy pro elektrická zařízení

Uvedení do provozu

- Otáčením nastavovacího šroubu ve směru hodinových ručiček zvyšujeme spínací hodnotu
- Při montáži spínače do svislého potrubí musí být pomocí nastavovacího šroubu pro spínací hodnotu kompenzována vlastní hmotnost lopatek (Montáž do svislého potrubí se nedoporučuje, viz. Návod pro montáž).

											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
											
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Podmínky okolního
prostředí
Normy a standardy

Obecné podmínky
Provoz a skladování
CE shoda
Směrnice pro nízké napětí

-20...+85 °C

2006 / 95 / EEC

Norma výrobku

EN 60335-1

Materialy / barvy

Pouzdro

Bayblend T85 / barva RAL 7015

Kryt

ABS / color RAL 5007

Závit R1"

Mosaz

Lopatky

Nerezová ocel (V2A)

Průtokový spínač celkově

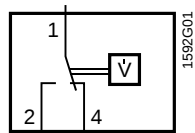
Bez silikonu

Hmotnost

Bez obalu

0.765 kg

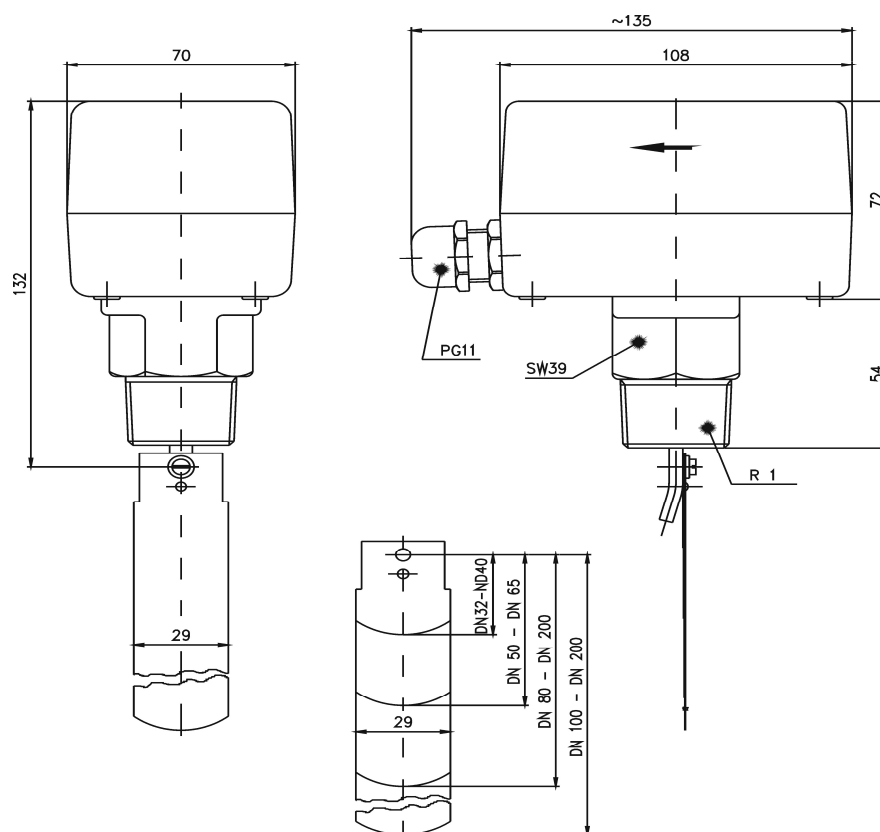
Schema zapojení



1-2 Sepne, když průtok $\geq$ nastavená spínací hodnota

1-4 Sepne, když není průtok, nebo když průtok klesl pod nastavenou spínací hodnotu

Rozměry



Rozměry jsou uvedeny v mm

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