

## KS534 Series(Solenoid Valve)

### Air Solenoid Valve(5Port Pilot / Non-Lubricant)



KS534S



KS534D

#### 標準仕様(Specifications)

| 項目<br>ITEM                                                    |    | S                                                                                           | D    |
|---------------------------------------------------------------|----|---------------------------------------------------------------------------------------------|------|
| 使用流体<br>FLUID                                                 |    | 空気、不活性ガス<br>Air, Inert Gas                                                                  |      |
| 配管口径<br>PORT SIZE                                             |    | Rc(PT) 1/4, G 1/4                                                                           |      |
| 有効断面積 $S_{mm^2}(C_v)$<br>EFFECTIVE SECTIONAL<br>AREA OF VALVE |    | 31.2mm <sup>2</sup> (1.7)                                                                   |      |
| 使用圧力<br>OPERATION PRESSURE RANGE                              |    | 0.15~0.9MPa<br>(1.5~9kgf/cm <sup>2</sup> )                                                  |      |
| 最大作動頻度<br>MAXIMUM OPERATING FREQUENCY                         |    | 5 cycle / sec                                                                               |      |
| 応答時間(0.5mpA時)<br>OPERATION (RESPONSE) TIME                    |    | 30ms以下<br>Less than                                                                         |      |
| 重量<br>WEIGHT                                                  |    | 330g                                                                                        | 410g |
| 給油<br>LUBRICATION                                             |    | 無給油(ただし給油時、タービン油<br>ISO VG32 もしくは相当品)<br>Turbine Oil ISO VG32 or<br>Equivalent Recommended. |      |
| 手動操作<br>MANUAL OPERATION                                      |    | Non-Lock Push(Standard),<br>Lock Type                                                       |      |
| 消費電力<br>POWER CONSUMPTION                                     | DC | 2.8W                                                                                        |      |
|                                                               | AC | 4.5/3.6VA(50/60Hz)                                                                          |      |
| 許容電圧変動<br>VOLTAGE FLUCTUATION TOLERANCE                       |    | 定格電圧の±10%<br>Of Applicable Voltage                                                          |      |
| 周囲温度及び使用流体温度<br>AMBIENT TEMPERATURE AND<br>FLUID TEMPERATURE  |    | 5℃~60℃                                                                                      |      |
| コイル絶縁種類<br>COIL INSULATION CLASS                              |    | F種相当<br>CLASS F                                                                             |      |
| 適用シリンダーサイズ(参考)<br>APPLICABLE CYLINDER<br>SIZES FOR REFERENCE  |    | Φ 32~ Φ 125                                                                                 |      |

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### Coil Type

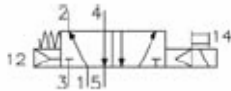
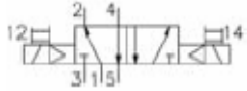
| <div>GL-TYPE</div> <div></div> <div>リード線ランプ<br/>FLYING LEAD LAMP</div>                                                 | <div>GLS-TYPE</div> <div></div> <div>リード線ランプ+サージ保護内蔵型<br/>FLYING LEAD LAMP WITH<br/>SURGE KILLER</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <div>G-TYPE</div> <div></div> <div>一般リード線型<br/>FLYING LEAD</div>              | <div>D-TYPE</div> <div></div> <div>DIN コネクター型<br/>DIN CONNECTOR TYPE</div>    |                         |  |  |                                                                                     |                                       |                                      |                                                                                     |                                 |                                |                                                                                     |            |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--|--|-------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|---------------------------------|--------------------------------|-------------------------------------------------------------------------------------|------------|--|
| <div>Z-TYPE</div> <div></div> <div>DIN コネクターランプ +<br/>サージ保護内蔵型<br/>DIN CONNECTOR LAMP<br/>WITH SURGE KILLER TYPE</div> | <div>M-TYPE</div> <div></div> <div>メタル DIN コネクター型<br/>METAL DIN<br/>CONNECTOR TYPE</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <div>GU-TYPE</div> <div></div> <div>LAMP TYPE WITH<br/>90° PLUG( 400mm)</div> | <div>GP-TYPE</div> <div></div> <div>LAMP TYPE WITH<br/>180° PLUG(400mm)</div> |                         |  |  |                                                                                     |                                       |                                      |                                                                                     |                                 |                                |                                                                                     |            |  |
| <div>LOCK-TYPE</div> <div></div> <div>MANUAL OPERATION</div>                                                         | <div>DEXT4-TYPE</div> <div><table><tr><th colspan="3">防爆等級<br/>Explosion class</th></tr><tr><td></td><td>II 2G EEx m II T4<br/>II 2D IP65 T130℃</td><td>II 2G EEx m II T5<br/>II 2D IP65 T95℃</td></tr><tr><td></td><td>Ex m II T4<br/>IP65 DIP A21T130℃</td><td>Ex m II T5<br/>IP65 DIP A~!T95℃</td></tr><tr><td></td><td colspan="2">Ex m II T4</td></tr></table></div> <div>防爆型(Explosion proof type)は ※KS320, 342, 530, 524, 534, 640のみ採用可能 only for</div> |                                                                                                                                                                |                                                                                                                                                                  | 防爆等級<br>Explosion class |  |  |  | II 2G EEx m II T4<br>II 2D IP65 T130℃ | II 2G EEx m II T5<br>II 2D IP65 T95℃ |  | Ex m II T4<br>IP65 DIP A21T130℃ | Ex m II T5<br>IP65 DIP A~!T95℃ |  | Ex m II T4 |  |
| 防爆等級<br>Explosion class                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                |                                                                                                                                                                  |                         |  |  |                                                                                     |                                       |                                      |                                                                                     |                                 |                                |                                                                                     |            |  |
|                                                                                                                      | II 2G EEx m II T4<br>II 2D IP65 T130℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | II 2G EEx m II T5<br>II 2D IP65 T95℃                                                                                                                           |                                                                                                                                                                  |                         |  |  |                                                                                     |                                       |                                      |                                                                                     |                                 |                                |                                                                                     |            |  |
|                                                                                                                      | Ex m II T4<br>IP65 DIP A21T130℃                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Ex m II T5<br>IP65 DIP A~!T95℃                                                                                                                                 |                                                                                                                                                                  |                         |  |  |                                                                                     |                                       |                                      |                                                                                     |                                 |                                |                                                                                     |            |  |
|                                                                                                                      | Ex m II T4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                |                                                                                                                                                                  |                         |  |  |                                                                                     |                                       |                                      |                                                                                     |                                 |                                |                                                                                     |            |  |

# KS534 Series(Solenoid Valve)

## How to order

KS ① 534 ② ③ ④ ⑤

| ①        | 配管接続形式(PORT TYPE) |
|----------|-------------------|
| 無記号(NIL) | Rc(PT)            |
| G        | G                 |

| ② | バルブ形式<br>VALVE POSITIONS | KS記号<br>KS SYMBOL                                                                  |
|---|--------------------------|------------------------------------------------------------------------------------|
| S | 単動式<br>RETURN            |   |
| D | 複動式<br>HOLD              |  |

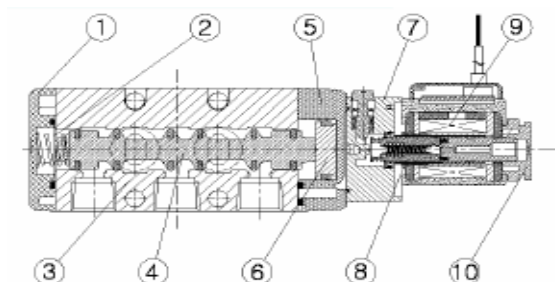
| ③ | 使用電圧(APPLICABLE VOLTAGE) |
|---|--------------------------|
| 1 | AC 100 / 110V 50/60Hz    |
| 2 | AC 200 / 220V 50/60Hz    |
| 3 | DC 24V                   |
| 4 | DC 12V                   |

| ④     | 結線方式(WIRING METHOD)                                                   |
|-------|-----------------------------------------------------------------------|
| GL    | リード線ランプ(FLYING LEAD LAMP)                                             |
| GLS   | リード線ランプ + SURGE KILLER(FLYING LEAD LAMP + SURGE KILLER)               |
| G     | リード線(FLYING LEAD)                                                     |
| D     | DIN コネクター(DIN CONNECTOR) DIN43650B / INDUSTRIAL                       |
| Z     | DIN コネクターランプ表示 + SURGE KILLER(DIN CONNECTOR WITH LAMP + SURGE KILLER) |
| GU    | LAMP TYPE WITH 90° PLUG(400mm)                                        |
| GP    | LAMP TYPE WITH 180° PLUG(400mm)                                       |
| DEXT4 | 防爆型(EXPLOSION PROOF TYPE) ※KS320, 342, 530, 534, 640のみ採用可能 only for   |
| M     | メタルDINコネクター型(METAL DIN CONNECTOR)                                     |

| ⑤   | 手動操作(MANUAL OPERATION)       |
|-----|------------------------------|
| NIL | NON LOCK PUSH TYPE(STANDARD) |
| L   | LOCK TYPE                    |

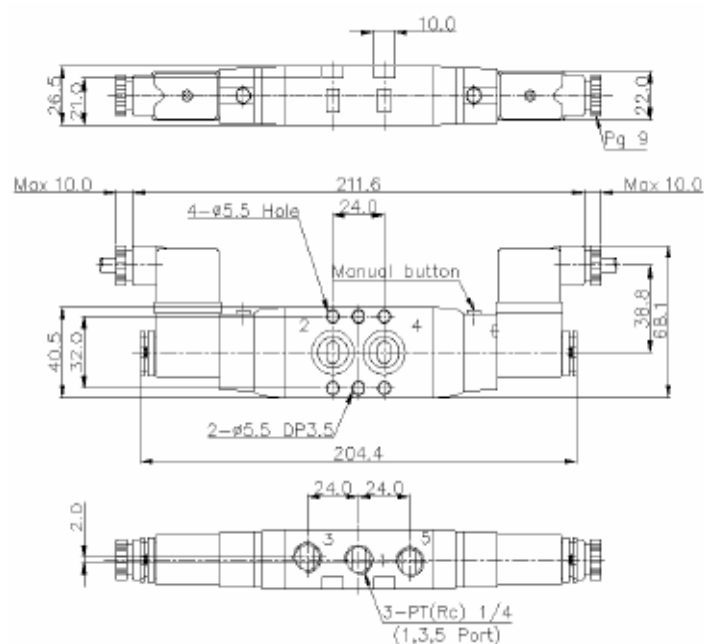
## KS534 Series(Solenoid Valve)

### 構造図(Structure)



| 品番(No) | 品名(Name)     | 材質(Material)            |
|--------|--------------|-------------------------|
| ①      | COVER        | プラスチック樹脂(Resin Plastic) |
| ②      | SPOOL SPRING | SUS                     |
| ③      | BODY         | AL D/C                  |
| ④      | SPOOL ASS'Y  | ALの他多数(AL and Others)   |
| ⑤      | PILOT        | プラスチック樹脂(Resin Plastic) |
| ⑥      | PISTON       | プラスチック樹脂(Resin Plastic) |
| ⑦      | SEAT         | プラスチック樹脂(Resin Plastic) |
| ⑧      | PLUNGER      | STAINLESS               |
| ⑨      | COIL ASS'Y   | CUの他多数(CU and Others)   |
| ⑩      | LOCK NUT     | プラスチック樹脂(Resin Plastic) |

2Positions Double Solenoid Valve



2Positions Single Solenoid Valve

