

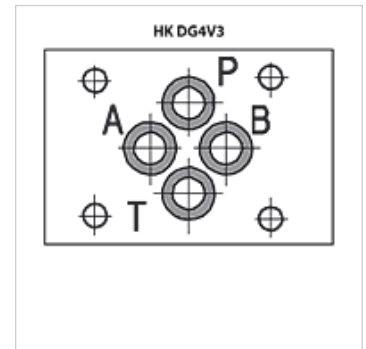
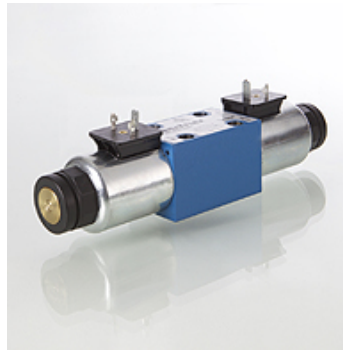
# HK DG4V3

Solenoid-operated directional control valve NG6

**HANSA FLEX**

## Properties

|                           |  |
|---------------------------|--|
| <b>Design</b>             | 4/2-way valve or 4/3-way valve with manual emergency operation |
| <b>Scope of supply</b>    | with coil, without plug  |
| <b>Operating pressure</b> | P, A, B: max. 350bar / T: max. 210bar                          |
| <b>Volumetric flow</b>    | max. 80 l/min (note characteristic curves)                     |
| <b>Connection</b>         | ISO/Cetop 03 size 6  |
| <b>Mounting</b>           | 4 pcs. socket head screw M5x30 12.9                            |
| <b>protection class</b>   | IP 65  |



## Description

switching capacity limits see characteristic curves

## Ordering information

Further circuits and versions, volumetric flows and switching power limits on request

| Item                    | Identification | Type | Piston type               | Rated voltage/<br>current type | Overlap           | Design             | Weight<br>(kg) |
|-------------------------|----------------|------|---------------------------|--------------------------------|-------------------|--------------------|----------------|
| HK DG4V3 0A VM U 12DC   | 4/2            | 0A   | [PB/AT]-[PA/BT]           | 12 VDC                         | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 0A VM U 24DC   | 4/2            | 0A   | [PB/AT]-[PA/BT]           | 24 VDC                         | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 0A VM U 110AC  | 4/2            | 0A   | [PB/AT]-[PA/BT]           | 110 VAC                        | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 0A VM U 230AC  | 4/2            | 0A   | [PB/AT]-[PA/BT]           | 230 VAC 50 Hz                  | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 0B VM U 12DC   | 4/2            | 0B   | [PB/AT]-[ABPT]            | 12 VDC                         | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 0B VM U 24DC   | 4/2            | 0B   | [PB/AT]-[ABPT]            | 24 VDC                         | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 0B VM U 110AC  | 4/2            | 0B   | [PB/AT]-[ABPT]            | 110 VAC                        | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 0B VM U 230AC  | 4/2            | 0B   | [PB/AT]-[ABPT]            | 230 VAC 50 Hz                  | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 2A VM U 12DC   | 4/2            | 2A   | [PB/AT]-[PA/BT]           | 12 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2A VM U 24DC   | 4/2            | 2A   | [PB/AT]-[PA/BT]           | 24 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2A VM U 110AC  | 4/2            | 2A   | [PB/AT]-[PA/BT]           | 110 VAC                        | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2A VM U 230AC  | 4/2            | 2A   | [PB/AT]-[PA/BT]           | 230 VAC 50 Hz                  | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2AL VM U 12DC  | 4/2            | 2AL  | [PB/AT]-[PA/BT]           | 12 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2AL VM U 24DC  | 4/2            | 2AL  | [PB/AT]-[PA/BT]           | 24 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2AL VM U 110AC | 4/2            | 2AL  | [PB/AT]-[PA/BT]           | 110 VAC                        | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2AL VM U 230AC | 4/2            | 2AL  | [PB/AT]-[PA/BT]           | 230 VAC 50 Hz                  | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2B VM U 12DC   | 4/2            | 2B   | [PB/AT]-[A/B/P/T]         | 12 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2B VM U 24DC   | 4/2            | 2B   | [PB/AT]-[A/B/P/T]         | 24 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2B VM U 110AC  | 4/2            | 2B   | [PB/AT]-[A/B/P/T]         | 110 VAC                        | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 2B VM U 230AC  | 4/2            | 2B   | [PB/AT]-[A/B/P/T]         | 230 VAC 50 Hz                  | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 6B VM U 12DC   | 4/2            | 6B   | [PB/AT]-[ABT/P]           | 12 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 6B VM U 24DC   | 4/2            | 6B   | [PB/AT]-[ABT/P]           | 24 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 6B VM U 110AC  | 4/2            | 6B   | [PB/AT]-[ABT/P]           | 110 VAC                        | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 6B VM U 230AC  | 4/2            | 6B   | [PB/AT]-[ABT/P]           | 230 VAC 50 Hz                  | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 8BL VM U 12DC  | 4/2            | 8BL  | [PA/BT]-[A/B/P/T]         | 12 VDC                         | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 8BL VM U 24DC  | 4/2            | 8BL  | [PA/BT]-[A/B/P/T]         | 24 VDC                         | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 8BL VM U 110AC | 4/2            | 8BL  | [PA/BT]-[A/B/P/T]         | 110 VAC                        | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 8BL VM U 230AC | 4/2            | 8BL  | [PA/BT]-[A/B/P/T]         | 230 VAC 50 Hz                  | negative (open)   | Spring return      | 1,60           |
| HK DG4V3 22A VM U 12DC  | 4/2            | 22A  | [PB/AT]-[PA/B/T]          | 12 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 22A VM U 24DC  | 4/2            | 22A  | [PB/AT]-[PA/B/T]          | 24 VDC                         | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 22A VM U 110AC | 4/2            | 22A  | [PB/AT]-[PA/B/T]          | 110 VAC                        | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 22A VM U 230AC | 4/2            | 22A  | [PB/AT]-[PA/B/T]          | 230 VAC 50 Hz                  | positive (closed) | Spring return      | 1,60           |
| HK DG4V3 0C VM U 12DC   | 4/3            | 0C   | [PB/AT]-[ABPT]-[PA/BT]    | 12 VDC                         | negative (open)   | spring return to 0 | 2,20           |
| HK DG4V3 0C VM U 24DC   | 4/3            | 0C   | [PB/AT]-[ABPT]-[PA/BT]    | 24 VDC                         | negative (open)   | spring return to 0 | 2,20           |
| HK DG4V3 0C VM U 110AC  | 4/3            | 0C   | [PB/AT]-[ABPT]-[PA/BT]    | 110 VAC                        | negative (open)   | spring return to 0 | 2,20           |
| HK DG4V3 0C VM U 230AC  | 4/3            | 0C   | [PB/AT]-[ABPT]-[PA/BT]    | 230 VAC 50 Hz                  | negative (open)   | spring return to 0 | 2,20           |
| HK DG4V3 2C VM U 12DC   | 4/3            | 2C   | [PB/AT]-[A/B/P/T]-[PA/BT] | 12 VDC                         | positive (closed) | spring return to 0 | 2,20           |
| HK DG4V3 2C VM U 24DC   | 4/3            | 2C   | [PB/AT]-[A/B/P/T]-[PA/BT] | 24 VDC                         | positive (closed) | spring return to 0 | 2,20           |
| HK DG4V3 2C VM U 110AC  | 4/3            | 2C   | [PB/AT]-[A/B/P/T]-[PA/BT] | 110 VAC                        | positive (closed) | spring return to 0 | 2,20           |
| HK DG4V3 2C VM U 230AC  | 4/3            | 2C   | [PB/AT]-[A/B/P/T]-[PA/BT] | 230 VAC 50 Hz                  | positive (closed) | spring return to 0 | 2,20           |
| HK DG4V3 6C VM U 12DC   | 4/3            | 6C   | [PB/AT]-[ABT/P]-[PA/BT]   | 12 VDC                         | positive (closed) | spring return to 0 | 2,20           |



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# HK DG4V3

Solenoid-operated directional control valve NG6



| Item                   |      |             |                          |                                |                   |                      |                |
|------------------------|------|-------------|--------------------------|--------------------------------|-------------------|----------------------|----------------|
| Identification         | Type | Piston type |                          | Rated voltage/<br>current type | Overlap           | Design               | Weight<br>(kg) |
| HK DG4V3 6C VM U 24DC  | 4/3  | 6C          | [PB/AT]-[ABT/P]-[PA/BT]  | 24 VDC                         | positive (closed) | spring return to 0   | 2,20           |
| HK DG4V3 6C VM U 110AC | 4/3  | 6C          | [PB/AT]-[ABT/P]-[PA/BT]  | 110 VAC                        | positive (closed) | spring return to 0   | 2,20           |
| HK DG4V3 6C VM U 230AC | 4/3  | 6C          | [PB/AT]-[ABT/P]-[PA/BT]  | 230 VAC 50 Hz                  | positive (closed) | spring return to 0   | 2,20           |
| HK DG4V3 7C VM U 12DC  | 4/3  | 7C          | [PB/AT]-[PAB/T]-[PA/BT]  | 12 VDC                         | positive (closed) | spring return to 0   | 2,20           |
| HK DG4V3 7C VM U 24DC  | 4/3  | 7C          | [PB/AT]-[PAB/T]-[PA/BT]  | 24 VDC                         | positive (closed) | spring return to 0   | 2,20           |
| HK DG4V3 7C VM U 110AC | 4/3  | 7C          | [PB/AT]-[PAB/T]-[PA/BT]  | 110 VAC                        | positive (closed) | spring return to 0   | 2,20           |
| HK DG4V3 7C VM U 230AC | 4/3  | 7C          | [PB/AT]-[PAB/T]-[PA/BT]  | 230 VAC 50 Hz                  | positive (closed) | spring return to 0   | 2,20           |
| HK DG4V3 8C VM U 12DC  | 4/3  | 8C          | [PA/BT]-[A/B/PT]-[PB/AT] | 12 VDC                         | negative (open)   | spring return to 0   | 2,20           |
| HK DG4V3 8C VMU 24DC   | 4/3  | 8C          | [PA/BT]-[A/B/PT]-[PB/AT] | 24 VDC                         | negative (open)   | spring return to 0   | 2,20           |
| HK DG4V3 8C VM U 110AC | 4/3  | 8C          | [PA/BT]-[A/B/PT]-[PB/AT] | 110 VAC                        | negative (open)   | spring return to 0   | 2,20           |
| HK DG4V3 8C VM U 230AC | 4/3  | 8C          | [PA/BT]-[A/B/PT]-[PB/AT] | 230 VAC 50 Hz                  | negative (open)   | spring return to 0   | 2,20           |
| HK DG4V3 2N VM U 12DC  | 4/2  | 2N          | [PB/AT]-[PA/BT]          | 12 VDC                         | positive (closed) | 2 latching positions | 1,60           |
| HK DG4V3 2N VM U 24DC  | 4/2  | 2N          | [PB/AT]-[PA/BT]          | 24 VDC                         | positive (closed) | 2 latching positions | 1,60           |
| HK DG4V3 2N VM U 110AC | 4/2  | 2N          | [PB/AT]-[PA/BT]          | 110 VAC                        | positive (closed) | 2 latching positions | 1,60           |
| HK DG4V3 2N VM U 230AC | 4/2  | 2N          | [PB/AT]-[PA/BT]          | 230 VAC 50 Hz                  | positive (closed) | 2 latching positions | 1,60           |

Piston type example: [A/B/PT] = [A blocked / B blocked / P+T connected]

## Accessories

|                 |  |
|-----------------|--|
| HK SP DG4V3     | Coil for HK DG4V3 solenoid-operated valve              |
| HK SP DIN 43650 | Electrical plug for solenoid coil DIN 43650 / ISO 4400 |
| HK M HK DH      | Screw set for NG 6 valves type HK DH / DG4V3           |