








WIRING INSTRUCTION

for KHS components with electrical connection











This list of cables only shows examples of applications. The exact design of the cables in questions must be carried out on site by the planner on the basis of the ambient conditions (temperature, frequency, routing type, mechanical load).

According to VDE 0815: The specification of signal transmission cables with respect to the diameter is specified in mm.

Pos.	Designation	Art.-No.	Cable cross-section/ -diameter [mm ²] [mm]	Max. cable length [m]	Cable type*
1	 KHS quarter turn stop valve PLUS with spring reset servo drive (24 V)	68601015-032	3 x X mm ² (power supply) + 2 x 2 x 0,80 mm ** (position feedback)	700 (X=1,50) 1000 (X=2,50)	NYM-J + J-Y(ST)Y
2	 KHS quarter turn stop valve PLUS with spring reset servo drive (230 V)	68605015-032	3 x 1,50 mm ²	1000	NYM-J
3	 KHS quarter turn stop valve with servo drive (24 V)	68600015-032	5 x X mm ² (power supply) + 2 x 2 x 0,80 mm ** (position feedback)	250 (X=1,50) 450 (X=2,50)	NYM-J + J-Y(ST)Y
4	 KHS quarter turn stop valve with servo drive (230 V)	68604015-032	5 x 1,50 mm ²	1000	NYM-J
5	 KHS CoolFlow cold water regulating-valve, with 24 V actuator	6160G01500	5 x X mm ² (power supply) + 2 x 2 x 0,80 mm ** (position feedback)	320 (X=1,50) 540 (X=2,50)	NYM-J + J-Y(ST)Y
6	 KHS CoolFlow cold water regulating-valve, with 230 V actuator	6150G01500	5 x 1,50 mm ²	1000	NYM-J
7	 KHS free drain with overflow sensor	68800020-032	2 x 2 x 0,80 mm **	1000	J-Y(ST)Y

* Possible cable type for fixed routing, without mechanical load

** Shielded cable lead

Pos.	Designation	Art.-No.	Cable cross-section/ -diameter [mm ²] [mm]	Max. cable length [m]	Cable type*
8	 CONTROL-PLUS flow and temperature sensor, for BMS	1386G015-050	4 x 2 x 0,80 mm **	300	J-Y(ST)Y
9	 CONTROL-PLUS flow and temperature sensor	1384G015-050	4 x 2 x 0,80 mm **	300	J-Y(ST)Y
10	 KHS flow and tempera- ure seonsor Pt 1000	6280G015-050	2 x 2 x 0,80 mm **	1000	J-Y(ST)Y
11	 KHS temperature sensor for KHS HS2® Hygiene Flush Box	68900015-050	2 x 2 x 0,80 mm **	1000	J-Y(ST)Y
12	 Leakage water sensor	6200000100	2 x 2 x 0,80 mm **	500	J-Y(ST)Y
13	 CAN bus cable (Application is based on the ISO 11898 international standard)	–	1 x 2 x 0,34 mm ² ** 1 x 2 x 0,50 mm ² ** 1 x 2 x 0,75 mm ² **	300 500 1000	CAN bus cable
	KHS Flush Point 24 V	6840001500			
	Individual electrical components:				
14	 KHS quarter turn stop valve PLUS with spring reset servo drive (24 V)	68601015-032	3 x X mm ² (power supply) + 2 x 2 x 0,80 mm ** (position feedback)	700 (X=1,50) 1000 (X=2,50)	NYM-J + J-Y(ST)Y
	 KHS free drain with overflow sensor	6880201500	2 x 2 x 0,80 mm**	1000	J-Y(ST)Y
	KHS Flush Point 230 V	6840401500			
	Individual electrical components:				
15	 KHS quarter turn stop valve PLUS with spring reset servo drive (230 V)	68605015-032	3 x 1,50 mm ²	1000	NYM-J
	 KHS free drain with overflow sensor	6880201500	2 x 2 x 0,80 mm **	1000	J-Y(ST)Y

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Pos.	Designation	Art.-No.	Cable cross-section/ -diameter [mm ²] [mm]	Max. cable length [m]	Cable type*
16	KHS Flush Point 24 V with CONTROL-PLUS	6840101500			
	Individual electrical components:				
	KHS quarter turn stop valve PLUS with spring reset servo drive (24 V)	68601015-032	3 x X mm ² (power supply) + 2 x 2 x 0,80 mm ** (position feedback)	700 (X=1,50) 1000 (X=2,50)	NYM-J + J-Y(ST)Y
	KHS free drain with overflow sensor	6880201500	2 x 2 x 0,80 mm **	1000	J-Y(ST)Y
	CONTROL-PLUS flow and temperature sensor, for BMS	1386G01500	4 x 2 x 0,80 mm **	300	J-Y(ST)Y
17	KHS Flush Point 230 V with CONTROL-PLUS	6840501500			
	Individual electrical components:				
	KHS quarter turn stop valve PLUS with spring reset servo drive (230 V)	6860501500	3 x 1,50 mm ²	1000	NYM-J
	KHS free drain with overflow sensor	6880201500	2 x 2 x 0,80 mm **	1000	J-Y(ST)Y
	CONTROL-PLUS flow and temperature sensor	1384G01500	4 x 2 x 0,80 mm **	300	J-Y(ST)Y



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