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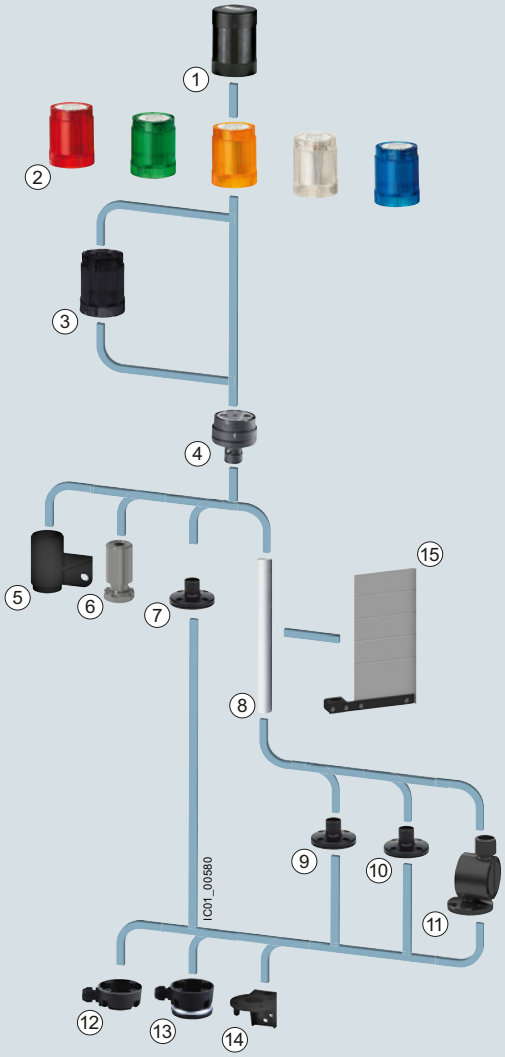
General data

Overview

The 8WD4 signaling columns are flexible in design and versatile in use.

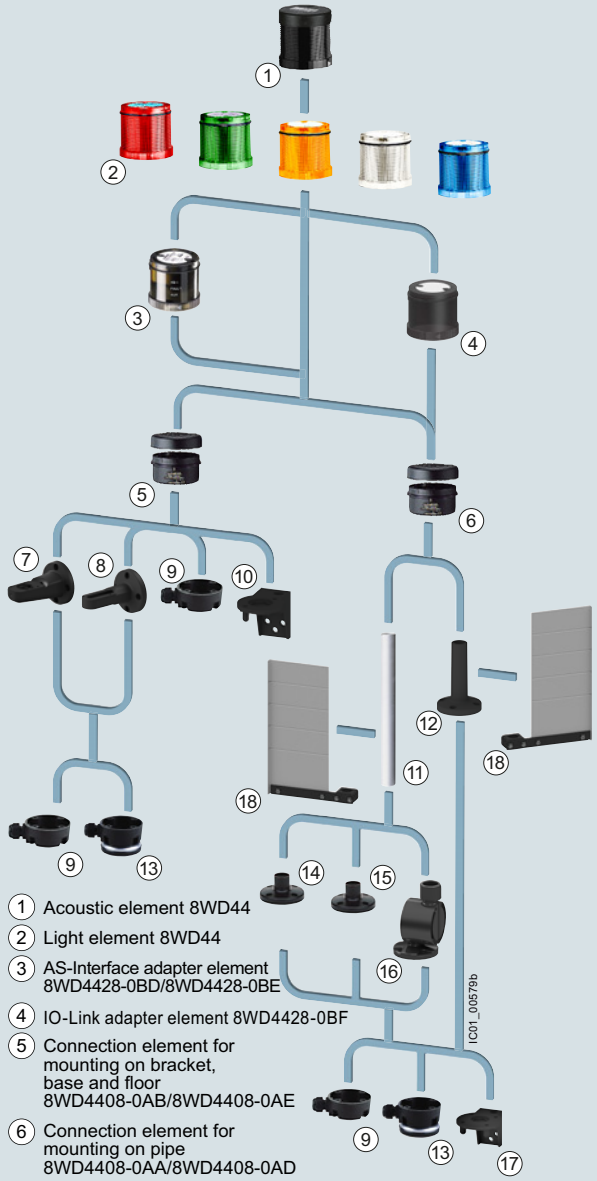
More information

Homepage, see www.siemens.com/sirius-signaling-columns
Industry Mall, see www.siemens.com/product?8WD4
Manual, see https://support.industry.siemens.com/cs/ww/en/view/109758131



1 Acoustic element 8WD42.0-0FA
2 Light element 8WD42
3 AS-Interface adapter element 8WD4228-0BB
4 Connection element 8WD4208-0AA
5 Bracket for wall mounting 8WD4208-0CD
6 Adapter for single-hole mounting 8WD4208-0EH
7 Foot for base mounting 8WD4208-0DE
8 Pipe 8WD4208-0EF/8WD4308-0E.
9 Foot for mounting on pipes 8WD4308-0DB
10 Foot for mounting on pipes (> 400 mm) 8WD4308-0DC
11 Adjustable-angle foot for mounting on pipes 8WD4408-0DF
12 Socket 8WD4308-0DD
13 Socket (magnetic fixing) 8WD4308-0DE
14 Bracket for foot mounting 8WD4408-0CC
15 Optional 8WD4408-0FA labeling panel

8WD42 signaling column (width 50 mm) with up to four elements



1 Acoustic element 8WD44
2 Light element 8WD44
3 AS-Interface adapter element 8WD4428-0BD/8WD4428-0BE
4 IO-Link adapter element 8WD4428-0BF
5 Connection element for mounting on bracket, base and floor 8WD4408-0AB/8WD4408-0AE
6 Connection element for mounting on pipe 8WD4408-0AA/8WD4408-0AD
7 Bracket for wall mounting 8WD4308-0CA
8 Bracket for wall mounting (two-sided) 8WD4308-0CB
9 Socket 8WD4308-0DD
10 Bracket for base mounting 8WD4408-0CD
11 Pipe 8WD4208-0EF/8WD4308-0E.
12 Foot with pipe 8WD4308-0DA
13 Socket (magnetic fixing) 8WD4308-0DE
14 Foot for mounting on pipes 8WD4308-0DB
15 Foot for mounting on pipes (> 400 mm) 8WD4308-0DC
16 Adjustable-angle foot for mounting on pipes 8WD4408-0DF
17 Bracket for foot mounting 8WD4408-0CC
18 Optional 8WD4408-0FA labeling panel

8WD44 signaling column (width 70 mm) with up to five elements

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Two product series are available:

- 8WD42
  - Thermoplast enclosure, diameter 50 mm
  - Degree of protection IP54
  - Up to four elements can be mounted between the connection element and the cover
- 8WD44
  - Thermoplast enclosure, diameter 70 mm
  - Advanced design and significantly improved illumination
  - Fast and flexible connection using spring-loaded terminals
  - Integrated degree of protection IP65
  - Up to five elements can be mounted between the connection element and the cover



Mounting examples for signaling columns

The illustrated examples are from the left:

- 8WD42: Cover (without No.), four light elements ②, connection element ④, pipe ⑧, foot ⑨
- 8WD44: Acoustic element with cover ①, two light elements ②, connection element ⑥, foot with pipe ⑫
- 8WD44: Cover (without No.), four light elements ②, AS-Interface adapter element ③, connection element ⑤, bracket for wall mounting ⑦
- 8WD44: Cover (without No.), three light elements ②, AS-Interface adapter element ③, connection element ⑥, foot with pipe ⑫

Note:

The cover is supplied with the connection element.

Benefits

- Choice of various light and acoustic elements with different functions:
  Continuous light, blinklight, flashlight and rotating light; buzzer and siren
- Light elements with particularly long-lasting LEDs
- Variety of colors: red, yellow, green, white or blue
- Optimized illumination through improved prism technology with the 8WD44
- Acoustic elements can be adjusted in tone and volume
- Extremely resistant to shock and vibrations
- Easy connection and quick lamp change with secure bayonet mechanism
- Communication capability through connection to AS-Interface
- Communication capability through connection to IO-Link for 8WD44 only

Application

8WD4 signaling columns are used in machines or in automatic processes for monitoring complex procedures or as visual or acoustic warning devices in emergency situations, e.g. for displaying individual assembly stages.

Communication capability

Connection to AS-Interface

The 8WD4 signaling columns can be directly connected to the AS-Interface bus system through an adapter element that can be integrated in the column. Wiring outlay is reduced as the result. The two-wire bus cable is fixed to the terminals in the connection element. Up to four signaling elements can be mounted on it using an adapter element.

A/B technology enables the connection of up to 62 slaves on one AS-Interface system.

IODD (IO Device Description)

The IO Device Description (IODD) has been defined to provide a full, transparent description of system characteristics as far as the IO-Link device. The IODD contains information on communication characteristics, device parameters, identification, process and diagnostics data.

The IODD is available under IO-Link Device Definition, see https://support.industry.siemens.com/cs/ww/en/view/109761427.

Connection

The signaling elements are wired up using terminals in the connection element, screw terminals on the 8WD42 and screw or spring-loaded terminals on the 8WD44.

Cable outlet

The connection cables can be guided either downwards or sideways through the cable gland using an adapter that can be screwed under the foot. This makes wiring easier if there is no access from below.

Connection to AS-Interface

8WD42

The two-wire bus cable is fixed to the screw terminals in the connection element. The adapter element must be the first module to be mounted on the connection element. A maximum of four signaling elements can then be mounted on it.

The 8WD4228-0BB adapter element is a standard slave.

8WD44

The two-wire bus cable is fixed to the screw or spring-loaded terminals in the connection element. The adapter element must be the first module to be mounted on the connection element. The signaling elements can then be mounted on it.

The 8WD4428-0BE adapter element is a standard slave.
A maximum of four signaling elements can be mounted on it.

The 8WD4428-0BD adapter element with A/B technology enables the connection of up to 62 slaves on one AS-Interface system. The addressing socket provides user-friendly parameterization of the AS-Interface elements. A maximum of three signaling elements can be mounted on it.

Connection to IO-Link

8WD4428-0BF

The 8WD44 signaling columns are directly connected to the IO-Link system using an IO-Link adapter element that can be integrated in the column and can accommodate up to five light elements.

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General data

Technical specifications

Type		8WD42	8WD44
General data			
Approvals		UL, CSA	UL, CSA
Light and acoustic elements			
Rated voltage, power consumption			
Light elements with incandescent lamp		(AC values for 50/60 Hz)	(AC values for 50/60 Hz)
• Continuous lights		12 V, 24 V, 115 V, 230 V AC/DC	12 V, 24 V, 115 V, 230 V AC/DC
• Blinklights		24 V AC/DC/125 mA; 115 V AC/20 mA; 230 V AC/15 mA	24 V AC/DC/125 mA; 115 V AC/20 mA; 230 V AC/15 mA
• Flashlights		24 V DC/125 mA	24 V DC/125 mA; 115 V AC/20 mA; 230 V AC/35 mA
• Max. inrush current, blinklights/flashlights		--	500 mA
Light elements with integrated LED			
• Continuous lights		24 V AC/DC/30 mA; 115 V AC/25 mA; 230 V AC/35 mA	24 V AC/DC/40 mA; 115 V AC/25 mA; 230 V AC/35 mA
• Blinklights		24 V AC/DC/35 mA; 115 V AC/25 mA; 230 V AC/35 mA	24 V AC/DC/30 mA
• Rotating lights		--	24 V AC/DC/70 mA
Acoustic elements			
• Buzzer element (tone: pulsating or continuous tone)		85 dB: 24 V AC/DC/30 mA; 115 V AC/DC/35 mA; 230 V AC/35 mA	85 dB: 24 V AC/DC/25 mA; 115 V AC/25 mA; 230 V AC/25 mA
• Siren element (8 tones + amplification can be set, 102 dB)		--	24 V AC/DC/80 mA; 115 V AC/30 mA; 230 V AC/16 mA
• Siren element (95 ... 105 dB)		--	24 V DC/100 mA
Power consumption			
• Incandescent lamps, BA 15d bases	W	Max. 5	7
• Flashlights, flash energy	Ws	--	2
Service life			
• Flashlights		--	4×10^6 flashes
AS-Interface adapter elements			
IO code/ID code		8/F	8/E
Power supply		Through bus cable	Through bus cable
• Operational voltage	V	18.5 … 31.6	18.5 … 31.6
• Power consumption I_{max}	mA	50	100
Protective measures			
• Watchdog		✓	✓
• Short-circuit/overload protection		External back-up fuse M 1.6 A	✓
• Reverse polarity protection		✓	✓
• Induction protection		N/A	✓
Outputs		4 relay outputs	3 electronic outputs
• Load voltage		External auxiliary voltage	Through bus cable or external auxiliary voltage, selectable
	V	0 … 30 DC	
	V	0 ... 230 AC	
• Current carrying capacity ΣI_{max}			
- With external auxiliary voltage	A	1.5	0.3
- Without external auxiliary voltage	A	--	0.2
Operating temperature	°C	-20 ... +50	-20 ... +50
Enclosures			
Enclosure material		Thermoplast (polyamide), impact-resistant, black	Thermoplast (polyamide), impact-resistant, black
Light elements		Thermoplast (polycarbonate)	Thermoplast (polycarbonate)
Mounting			
• Horizontal (base mounting, foot with 25 mm diameter pipe)		✓	✓
• Horizontal (single-hole mounting)		✓	--
• Vertical with bracket		✓	✓
Degree of protection			
• Light elements		IP54	IP65 (seal premounted with every module)
• Acoustic elements, AS-i adapter elements		IP54	IP65
Operating temperature	°C	-20 ... +50	-20 ... +50
Connection		M3 screw terminal	Spring-loaded terminals/M3 screw terminals
• Conductor cross-sections	mm^2	Max. 2.5	Max. 2.5
• Tightening torque	Nm	Max. 0.4	--/ Max. 0.4

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Overview

Features:

- Thermoplast enclosure, diameter 50 mm
- Degree of protection IP54
- Up to four elements can be mounted between the connection element and the cover

Selection and ordering data

	Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
		V		d					
Acoustic elements[1]									
 8WD4220-0FA	**Buzzer elements,** 85 dB, tone frequency approx. 2 300 Hz, pulsating or continuous tone, adjustable by means of a wire jumper	24 AC/DC	Black	▶	**8WD4220-0FA**		1	1 unit	41J
		115 AC/DC	Black	2	**8WD4240-0FA**		1	1 unit	41J
		230 AC	Black	2	**8WD4250-0FA**		1	1 unit	41J
Light elements for incandescent lamps/LEDs, BA 15d bases[2]									
 8WD4200-1AD	**Continuous light elements**	24 ... 230 AC/DC	Red	▶	**8WD4200-1AB**		1	1 unit	41J
			Green	▶	**8WD4200-1AC**		1	1 unit	41J
			Yellow	▶	**8WD4200-1AD**		1	1 unit	41J
			Clear	▶	**8WD4200-1AE**		1	1 unit	41J
			Blue	▶	**8WD4200-1AF**		1	1 unit	41J
Light elements with integrated LED									
 8WD4220-5AB	**Continuous light elements**	24 AC/DC	Red	▶	**8WD4220-5AB**		1	1 unit	41J
			Green	▶	**8WD4220-5AC**		1	1 unit	41J
			Yellow	▶	**8WD4220-5AD**		1	1 unit	41J
			Clear	▶	**8WD4220-5AE**		1	1 unit	41J
			Blue	▶	**8WD4220-5AF**		1	1 unit	41J
		115 AC	Red	2	**8WD4240-5AB**		1	1 unit	41J
 8WD4240-5AC			Green	2	**8WD4240-5AC**		1	1 unit	41J
			Yellow	2	**8WD4240-5AD**		1	1 unit	41J
			Clear	2	**8WD4240-5AE**		1	1 unit	41J
			Blue	2	**8WD4240-5AF**		1	1 unit	41J
		230 AC	Red	2	**8WD4250-5AB**		1	1 unit	41J
			Green	2	**8WD4250-5AC**		1	1 unit	41J
			Yellow	2	**8WD4250-5AD**		1	1 unit	41J
			Clear	2	**8WD4250-5AE**		1	1 unit	41J
			Blue	2	**8WD4250-5AF**		1	1 unit	41J
	Blinklight elements	24 AC/DC	Red	▶	**8WD4220-5BB**		1	1 unit	41J
 8WD4220-5BD			Green	2	**8WD4220-5BC**		1	1 unit	41J
			Yellow	▶	**8WD4220-5BD**		1	1 unit	41J
			Clear	2	**8WD4220-5BE**		1	1 unit	41J
			Blue	2	**8WD4220-5BF**		1	1 unit	41J
		115 AC	Red	2	**8WD4240-5BB**		1	1 unit	41J
 8WD4240-5BE			Green	2	**8WD4240-5BC**		1	1 unit	41J
			Yellow	2	**8WD4240-5BD**		1	1 unit	41J
			Clear	2	**8WD4240-5BE**		1	1 unit	41J
			Blue	2	**8WD4240-5BF**		1	1 unit	41J
		230 AC	Red	2	**8WD4250-5BB**		1	1 unit	41J
			Green	2	**8WD4250-5BC**		1	1 unit	41J
			Yellow	2	**8WD4250-5BD**		1	1 unit	41J
			Clear	2	**8WD4250-5BE**		1	1 unit	41J
			Blue	2	**8WD4250-5BF**		1	1 unit	41J
 8WD4250-5BF	**Flashlight elements**	24 DC	Red	2	**8WD4220-0CB**		1	1 unit	41J
			Green	2	**8WD4220-0CC**		1	1 unit	41J
			Yellow	2	**8WD4220-0CD**		1	1 unit	41J
			Clear	2	**8WD4220-0CE**		1	1 unit	41J
			Blue	2	**8WD4220-0CF**		1	1 unit	41J
Adapter elements for AS-Interface									
 8WD4228-0BB	**AS-Interface adapter elements** With external auxiliary voltage	For 4 signaling elements 24 V DC	Black	2	**8WD4228-0BB**		1	1 unit	41J

[1] One acoustic element can be mounted per signaling column. The cover is included in the scope of supply of the acoustic elements and fixed in place.

[2] The lamp is not included in the scope of supply. Please order separately.

*** You can order this quantity or a multiple thereof.**
Illustrations are approximate

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8WD42 signaling columns, 50 mm diameter

	Version	Version / Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
		V		d					
Connection elements									
 8WD4208-0AA	**Connection elements with cover** For mounting on pipes, floors and brackets Necessary for assembling the signaling column		Black	►	**8WD4208-0AA**		1	1 unit	41J
Mounting									
 8WD4308-0DB	**Feet, single**	Plastic, for mounting on pipes		►	**8WD4308-0DB**		1	1 unit	41J
		Metal, for pipe lengths > 400 mm		►	**8WD4308-0DC**		1	1 unit	41J
		Plastic, for floor mounting (without pipe)		►	**8WD4208-0DE**		1	1 unit	41J
 8WD4408-0DF	**Adjustable-angle feet** For positioning in 7.5° increments[1]	Plastic, for mounting on pipes, incl. rubber seal		2	**8WD4408-0DF**		1	1 unit	41J
8WD4208-0EF	**Pipes, single**	Length 100 mm		►	**8WD4208-0EF**		1	1 unit	41J
		Length 150 mm		►	**8WD4308-0EE**		1	1 unit	41J
		Length 250 mm		►	**8WD4308-0EA**		1	1 unit	41J
		Length 400 mm		►	**8WD4308-0EB**		1	1 unit	41J
		Length 1 000 mm		►	**8WD4308-0ED**		1	1 unit	41J
 8WD4308-0DD	**Sockets for feet**	Side cable outlet		►	**8WD4308-0DD**		1	1 unit	41J
 8WD4308-0DE		Side cable outlet, with magnetic fixing[2]		►	**8WD4308-0DE**		1	1 unit	41J
 8WD4408-0CC	**Brackets for mounting with foot**	--		►	**8WD4408-0CC**		1	1 unit	41J
 8WD4208-0CD	**Brackets for wall mounting** (plastic)	Mounting without feet or pipe		►	**8WD4208-0CD**		1	1 unit	41J
 8WD4208-0EH	**Adapters for single-hole mounting**	Mounting without feet and pipe, with M18 thread and fixing nut		►	**8WD4208-0EH**		1	1 unit	41J
Lamps									
 8WD4328-1XX	**Incandescent lamps, 5 W**								
	BA 15d base	24 AC/DC	Clear	5	**8WD4328-1XX**		1	10 units	41J
		115 AC	Clear	5	**8WD4348-1XX**		1	10 units	41J
		230 AC	Clear	5	**8WD4358-1XX**		1	10 units	41J
 8WD4428-6XB	**LEDs**								
	BA 15d base	24 AC/DC	Red	5	**8WD4428-6XB**		1	1 unit	41J
			Green	5	**8WD4428-6XC**		1	1 unit	41J
			Yellow	5	**8WD4428-6XD**		1	1 unit	41J
			Clear	5	**8WD4428-6XE**		1	1 unit	41J
			Blue	5	**8WD4428-6XF**		1	1 unit	41J
		115 AC	Red	5	**8WD4448-6XB**		1	1 unit	41J
			Green	5	**8WD4448-6XC**		1	1 unit	41J
			Yellow	5	**8WD4448-6XD**		1	1 unit	41J
			Clear	5	**8WD4448-6XE**		1	1 unit	41J
			Blue	5	**8WD4448-6XF**		1	1 unit	41J
		230 AC	Red	5	**8WD4458-6XB**		1	1 unit	41J
			Green	5	**8WD4458-6XC**		1	1 unit	41J
			Yellow	5	**8WD4458-6XD**		1	1 unit	41J
			Clear	5	**8WD4458-6XE**		1	1 unit	41J
			Blue	5	**8WD4458-6XF**		1	1 unit	41J

For labeling panels, see 8WD44 signaling columns, page 13/193.

1) Markings for 30°, 45°, 60° and 90°.

2) For horizontal mounting, only 1 element is recommended.

* You can order this quantity or a multiple thereof.
Illustrations are approximate

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Overview

Features:

- Thermoplast enclosure, diameter 70 mm
- Advanced design and significantly improved illumination
- Fast and flexible connection using spring-loaded terminals
- Integrated degree of protection IP65
- Up to five elements can be mounted

Selection and ordering data

	Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
		V		d					
Acoustic elements[1]									
 8WD4240-0FA	**Buzzer elements** 85 dB, pulsating or continuous tone, adjustable by means of a wire jumper	24 AC/DC	Black	►	**8WD4420-0FA**		1	1 unit	41J
		115 AC	Black	2	**8WD4440-0FA**		1	1 unit	41J
		230 AC	Black	►	**8WD4450-0FA**		1	1 unit	41J
	Siren elements, multi-tone, 102 dB, 8 tones and volume are adjustable	24 AC/DC	Black	►	**8WD4420-0EA2**		1	1 unit	41J
		115 AC	Black	2	**8WD4440-0EA2**		1	1 unit	41J
		230 AC	Black	►	**8WD4450-0EA2**		1	1 unit	41J
 8WD4420-0EA	**Siren elements,** 95 ... 105 dB, IP65, alternating continuous tone	24 DC	Black	►	**8WD4420-0EA**		1	1 unit	41J
Light elements for incandescent lamps/LEDs, BA 15d bases[2]									
 8WD4400-1AD	**Continuous light elements**	12 ... 230 AC/DC	Red	►	**8WD4400-1AB**		1	1 unit	41J
			Green	►	**8WD4400-1AC**		1	1 unit	41J
			Yellow	►	**8WD4400-1AD**		1	1 unit	41J
			Clear	►	**8WD4400-1AE**		1	1 unit	41J
			Blue	►	**8WD4400-1AF**		1	1 unit	41J
Light elements with integrated flash lamps[3]									
 8WD4420-0CB	**Flashlight elements** with integrated electronic flash	24 DC	Red	►	**8WD4420-0CB**		1	1 unit	41J
			Green	►	**8WD4420-0CC**		1	1 unit	41J
			Yellow	►	**8WD4420-0CD**		1	1 unit	41J
			Clear	►	**8WD4420-0CE**		1	1 unit	41J
			Blue	►	**8WD4420-0CF**		1	1 unit	41J
 8WD4440-0CC		115 AC	Red	2	**8WD4440-0CB**		1	1 unit	41J
			Green	20	**8WD4440-0CC**		1	1 unit	41J
			Yellow	2	**8WD4440-0CD**		1	1 unit	41J
			Clear	20	**8WD4440-0CE**		1	1 unit	41J
			Blue	20	**8WD4440-0CF**		1	1 unit	41J
 8WD4450-0CF		230 AC	Red	►	**8WD4450-0CB**		1	1 unit	41J
			Green	2	**8WD4450-0CC**		1	1 unit	41J
			Yellow	2	**8WD4450-0CD**		1	1 unit	41J
			Clear	2	**8WD4450-0CE**		1	1 unit	41J
			Blue	2	**8WD4450-0CF**		1	1 unit	41J

1) One acoustic element can be mounted per signaling column. The cover is included in the scope of supply of the acoustic elements and fixed in place.

2) The lamp is not included in the scope of supply. Please order separately.

3) The lamp is included in the scope of supply.

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8WD44 signaling columns, 70 mm diameter

	Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
		V		d					
Complete units, signaling columns									
 8WD4423-5AK05-0AF0	3-stage Top: Continuous light, blue Center: Continuous light, green, with integrated LED Bottom: Flashlight element, clear, integrated electronic flashlight Connection element for mounting on pipes, pipe, 250 mm, foot, plastic	24 DC	Blue, Green, Clear	2	**8WD4423-5AK05-0AF0**		1	1 unit	41J
 8WD4423-5AK05-0AE0	3-stage Top: Continuous light, yellow Center: Continuous light, blue Bottom: Continuous light, green, with integrated LED Connection element for mounting on pipes, pipe, 250 mm, foot, plastic	24 AC/DC	Yellow, Blue, Green	2	**8WD4423-5AK05-0AE0**		1	1 unit	41J
 8WD4421-0GA05-0AG0	Connection element for mounting on pipes, pipe, 250 mm, foot, plastic	--	--	2	**8WD4421-0GA05-0AG0**		1	1 unit	41J

* You can order this quantity or a multiple thereof.
Illustrations are approximate

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	Version	Rated voltage Version	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
		V		d					
Light elements with integrated LED									
 8WD4420-5AB	**Continuous light elements**	24 AC/DC	Red	►	**8WD4420-5AB**		1	1 unit	41J
			Green	►	**8WD4420-5AC**		1	1 unit	41J
			Yellow	►	**8WD4420-5AD**		1	1 unit	41J
			Clear	►	**8WD4420-5AE**		1	1 unit	41J
			Blue	►	**8WD4420-5AF**		1	1 unit	41J
 8WD4440-5AC		115 AC	Red	2	**8WD4440-5AB**		1	1 unit	41J
			Green	2	**8WD4440-5AC**		1	1 unit	41J
			Yellow	2	**8WD4440-5AD**		1	1 unit	41J
			Clear	2	**8WD4440-5AE**		1	1 unit	41J
			Blue	2	**8WD4440-5AF**		1	1 unit	41J
 8WD4450-5AD		230 AC	Red	►	**8WD4450-5AB**		1	1 unit	41J
			Green	►	**8WD4450-5AC**		1	1 unit	41J
			Yellow	2	**8WD4450-5AD**		1	1 unit	41J
			Clear	2	**8WD4450-5AE**		1	1 unit	41J
			Blue	2	**8WD4450-5AF**		1	1 unit	41J
 8WD4420-5BF	**Blinklight elements**	24 AC/DC	Red	►	**8WD4420-5BB**		1	1 unit	41J
			Green	►	**8WD4420-5BC**		1	1 unit	41J
			Yellow	►	**8WD4420-5BD**		1	1 unit	41J
			Clear	2	**8WD4420-5BE**		1	1 unit	41J
			Blue	2	**8WD4420-5BF**		1	1 unit	41J
 8WD4440-5BE		115 AC	Red	2	**8WD4440-5BB**		1	1 unit	41J
			Green	2	**8WD4440-5BC**		1	1 unit	41J
			Yellow	2	**8WD4440-5BD**		1	1 unit	41J
			Clear	2	**8WD4440-5BE**		1	1 unit	41J
			Blue	2	**8WD4440-5BF**		1	1 unit	41J
 8WD4450-5BB		230 AC	Red	2	**8WD4450-5BB**		1	1 unit	41J
			Green	2	**8WD4450-5BC**		1	1 unit	41J
			Yellow	2	**8WD4450-5BD**		1	1 unit	41J
			Clear	2	**8WD4450-5BE**		1	1 unit	41J
			Blue	2	**8WD4450-5BF**		1	1 unit	41J
 8WD4420-5DD	**Rotating light elements**	24 AC/DC	Red	►	**8WD4420-5DB**		1	1 unit	41J
			Green	2	**8WD4420-5DC**		1	1 unit	41J
			Yellow	►	**8WD4420-5DD**		1	1 unit	41J
			Clear	2	**8WD4420-5DE**		1	1 unit	41J
			Blue	2	**8WD4420-5DF**		1	1 unit	41J
Adapter elements for AS-Interface and IO-Link									
		24 V DC							
 8WD4428-0BD	**AS-Interface adapter elements** With/without external auxiliary voltage, switchable								
	• A/B technology	For 3 signaling elements	Black	►	**8WD4428-0BD**		1	1 unit	41J
	• Standard AS-i	For 4 signaling elements	Black	►	**8WD4428-0BE**		1	1 unit	41J
 8WD4428-0BF	**IO-Link adapter element**	For 5 signaling elements	Black	2	**8WD4428-0BF**		1	1 unit	41J

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* You can order this quantity or a multiple thereof.
Illustrations are approximate

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8WD44 signaling columns, 70 mm diameter

	Version	Color	SD	Screw terminals Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
			d					
Connection elements[1]								
 8WD4408-0AA	**Connection elements with cover**							
	• For mounting on pipes	Black	▶	**8WD4408-0AA**		1	1 unit	41J
	• For mounting on brackets and floors		▶	**8WD4408-0AB**		1	1 unit	41J
				Spring-loaded terminals				
	• For mounting on pipes	Black	▶	**8WD4408-0AD**		1	1 unit	41J
	• For mounting on brackets and floors		▶	**8WD4408-0AE**		1	1 unit	41J
	Cover (replacement)	Black	▶	**8WD4408-0XA**		1	1 unit	41J

[1] The connection element with cover is an essential part for assembling the signaling columns.

	Version		SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
			d					
Mounting								
 8WD4308-0DA	**Feet with pipe**	Pipe length 100 mm	▶	**8WD4308-0DA**		1	1 unit	41J
 8WD4308-0DB	**Feet, single**	Plastic, for mounting on pipes	▶	**8WD4308-0DB**		1	1 unit	41J
		Metal, for pipe lengths > 400 mm	▶	**8WD4308-0DC**		1	1 unit	41J
 8WD4408-0DF	**Adjustable-angle feet** For positioning in 7.5° increments[1]	Plastic, for mounting on pipes, incl. rubber seal	2	**8WD4408-0DF**		1	1 unit	41J
8WD4208-0EF	**Pipes, single**	Length 100 mm	▶	**8WD4208-0EF**		1	1 unit	41J
		Length 150 mm	▶	**8WD4308-0EE**		1	1 unit	41J
		Length 250 mm	▶	**8WD4308-0EA**		1	1 unit	41J
		Length 400 mm	▶	**8WD4308-0EB**		1	1 unit	41J
		Length 1 000 mm	▶	**8WD4308-0ED**		1	1 unit	41J
 8WD4308-0DD	**Sockets for feet**	Side cable outlet (can also be used without feet)	▶	**8WD4308-0DD**		1	1 unit	41J
 8WD4308-0DE		Side cable outlet, with magnetic fixing[2]	▶	**8WD4308-0DE**		1	1 unit	41J
 8WD4308-0CA	**Brackets for wall mounting** (mounting without feet and pipe)	For single-sided mounting	▶	**8WD4308-0CA**		1	1 unit	41J
 8WD4308-0CB		For double-sided mounting	2	**8WD4308-0CB**		1	1 unit	41J

[1] Markings for 30°, 45°, 60° and 90°.

[2] For horizontal mounting, only 1 element is recommended.

* You can order this quantity or a multiple thereof.
Illustrations are approximate

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Mounting

	Version		SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
			d					
 8WD4408-0CC	**Brackets for mounting with foot**		►	**8WD4408-0CC**		1	1 unit	41J
 8WD4408-0CD	**Brackets for base mounting**	Mounting without feet or pipe	►	**8WD4408-0CD**		1	1 unit	41J
	Adapter for mounting on pipes according to NPT	Mounting on pipes, ∅ 25 mm, with NPT 1/2" thread	2	**8WD4308-0DF**		1	1 unit	41J

Lamps

	Version	Rated voltage	Color	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
		V		d					
 8WD4328-1XX	**Incandescent lamps, 5 W**								
	BA 15d base	24 AC/DC	Clear	5	**8WD4328-1XX**		1	10 units	41J
		115 AC	Clear	5	**8WD4348-1XX**		1	10 units	41J
		230 AC	Clear	5	**8WD4358-1XX**		1	10 units	41J
 8WD4428-6XE	**LEDs**								
	BA 15d base	24 AC/DC	Red	5	**8WD4428-6XB**		1	1 unit	41J
			Green	5	**8WD4428-6XC**		1	1 unit	41J
			Yellow	5	**8WD4428-6XD**		1	1 unit	41J
			Clear	5	**8WD4428-6XE**		1	1 unit	41J
			Blue	5	**8WD4428-6XF**		1	1 unit	41J
		115 AC	Red	5	**8WD4448-6XB**		1	1 unit	41J
			Green	5	**8WD4448-6XC**		1	1 unit	41J
			Yellow	5	**8WD4448-6XD**		1	1 unit	41J
			Clear	5	**8WD4448-6XE**		1	1 unit	41J
			Blue	5	**8WD4448-6XF**		1	1 unit	41J
		230 AC	Red	5	**8WD4458-6XB**		1	1 unit	41J
			Green	5	**8WD4458-6XC**		1	1 unit	41J
			Yellow	5	**8WD4458-6XD**		1	1 unit	41J
			Clear	5	**8WD4458-6XE**		1	1 unit	41J
			Blue	5	**8WD4458-6XF**		1	1 unit	41J

Inscriptions for 8WD42 and 8WD44

 8WD4408-0FA	**Labeling panels** With fixing accessories for mounting on pipe ∅ 25 mm Inscription area/step 50 mm x 140 mm Suitable for standard labels, e.g. • Zweckform 3425 • Herma 4457		►	**8WD4408-0FA**		1	1 unit	41J

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* You can order this quantity or a multiple thereof.
Illustrations are approximate

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8WD53 integrated signal lamps, 70 mm diameter

Overview



8WD53 integrated signal lamps

More information
Homepage, see www.siemens.com/sirius-command
Industry Mall, see www.siemens.com/product?8WD5
Configuration Manual, see https://support.industry.siemens.com/cs/ww/en/view/107194954

Design

Features:

- Thermoplast enclosures, diameter 70 mm
- Degree of protection IP65
- Rated voltage 24 V, 115 V, 230 V AC/DC
- Ambient temperature -20 to +50 °C, incandescent lamp up to 60 °C

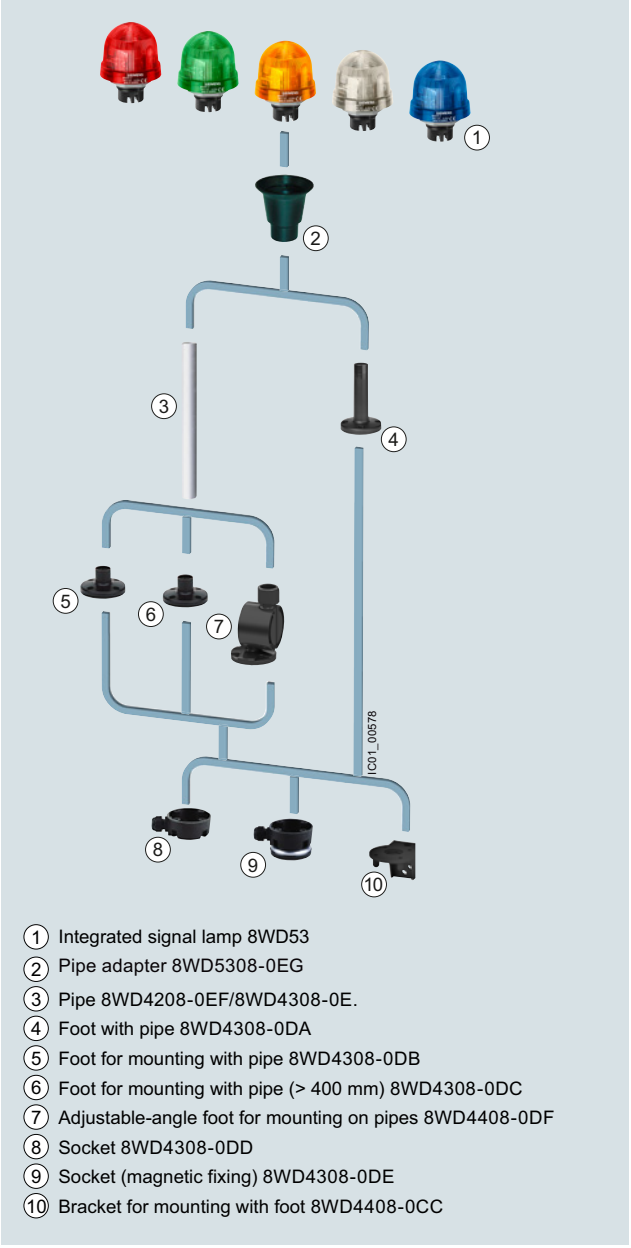
The special shape of the integrated signal lamps means that the light is emitted optimally in every direction (to the sides and upwards). Continuous lights (with incandescent lamp or LED) and single-flash lights are available in five colors. As well as the continuous-light version, a blinklight or rotating light version is also available.

The LED versions of the integrated signal lamps offer a considerably longer endurance than the incandescent lamp versions.

They all have the high degree of protection IP65 and are made of a material highly resistant to impact.

Mounting

8WD53 integrated signal lamps can be mounted at any point of the machine for the purpose of giving visual signals. They are mounted by means of a PG-29 screw base with nut.



① Integrated signal lamp 8WD53
② Pipe adapter 8WD5308-0EG
③ Pipe 8WD4208-0EF/8WD4308-0E.
④ Foot with pipe 8WD4308-0DA
⑤ Foot for mounting with pipe 8WD4308-0DB
⑥ Foot for mounting with pipe (> 400 mm) 8WD4308-0DC
⑦ Adjustable-angle foot for mounting on pipes 8WD4408-0DF
⑧ Socket 8WD4308-0DD
⑨ Socket (magnetic fixing) 8WD4308-0DE
⑩ Bracket for mounting with foot 8WD4408-0CC

8WD53 integrated signal lamps with five elements

Application

SIRIUS 8WD53 integrated signal lamps can be used as visual signaling devices in harsh ambient conditions and in outdoor installations.

Visual signaling devices for indicating operating conditions can be used for the following applications:

- Manufacturing plants
- Injection molding machines
- Conveyors
- Assembly systems for electronic components