

M8



Size	M	18
Operating distance mm	1.	.5
Housing material	Stainless	steel V2A
Connection 1)	PVC cab	le type 2
Degree of protection	IP	67
Mounting	Embed	ddable
Max. switching frequency	5,000 Hz	10,000 Hz
Technical data ²⁾	Table 1	Table 5
Wiring ³⁾	Diagram 1	Diagram 4
LED	Built-in	
Supply voltage range	10 30 VDC	7.7 9 VDC
Ambient temperature range	-25 +70 °C	-25 +70 °C
Output current	≤ 200 mA	≤ 1 / ≥ 2.2 mA*
1) Standard cable length 2 m. Non-standard cable lengths and types on request. 2) see page 68 3) see page 69 4) see page 112	CE	
Dimensions:	Ø 3,5	LED (NAMUR without)
Part references: (bold: preferred types)		
NPN N.O.	DW-AD-421-M8	
NPN N.C.	DW-AD-422-M8	
PNP N.O.	DW-AD-423-M8	
PNP N.C.	DW-AD-424-M8	
NAMUR		DW-AD-425-M8
AC/DC 2-wire N.O.		
AC/DC 2-wire N.C.		
Compatible connectors 4)		
	*damned / non-	dampad

1.5	1.5	1.5
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
PVC cable type 2	PVC cable type 2	PVC cable type 2
IP 67	IP 67	IP 67
Embeddable	Embeddable	Embeddable
5,000 Hz	5,000 Hz	5,000 Hz
Table 1	Table 1	Table 1
Diagram 1	Diagram 1	Diagram 1
Built-in	Built-in	Built-in
10 30 VDC	10 30 VDC	10 30 VDC
-25 +70 °C	-25 +70 °C	-25 +70 °C
≤ 200 mA	≤ 200 mA	≤ 200 mA
Ce	Ce III	Ce The second se
M8x1 1 22 2 3.5	M8x1 0E UED	M8x1 98 93,5 LED
DW-AD-601-M8-121	DW-AD-601-M8-122	DW-AD-601-M8
DW-AD-602-M8-121	DW-AD-602-M8-122	DW-AD-602-M8
DW-AD-603-M8-121	DW-AD-603-M8-122	DW-AD-603-M8
DW-AD-604-M8-121	DW-AD-604-M8-122	DW-AD-604-M8

^{*}damped / non-damped

M8

5

3

N /	
IVI	B

1.5	5	
Stainless	steel V2A	
Connec	ctor S8	
IP 67		
Embeddable		
5,000 Hz	10,000 Hz	
Table 1	Table 5	
Diagram 1	Diagram 4	
Built-in		
10 30 VDC	7.7 9 VDC	
-25 +70 °C	-25 +70 °C	
≤ 200 mA	≤ 1 / ≥ 2.2 mA*	

1.5	1.5	
tainless steel V2A	Stainless steel V2A	
Connector S8	Connector S8	
IP 67	IP 67	
Embeddable	Embeddable	

1.5	1.5	1.5	1.5	1.5
Stainless steel V2A	Stainless steel V2A	Nickel-plated brass	Stainless steel V2A	Nickel-plated brass
Connector S8	Connector S8	Connector S8	Connector S12	Connector S12
IP 67				
Embeddable	Embeddable	Embeddable	Embeddable	Embeddable
5,000 Hz				
Table 1				
Diagram 1	Diagram 1	Diagram 1	Diagram 2	Diagram 2
Built-in	Built-in	Built-in	Built-in	Built-in
10 30 VDC				
-25 +70 °C				
≤ 200 mA				





A ... D

S







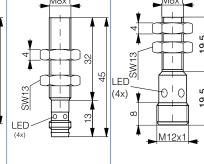


M8x1 →	
4 9	
SW13	
LED (NAMUR without)	

N-AS-425-MR-001

A, B

M8x1 →	<u>-M8x1</u>
(x) (x) (x) (x) (x) (x) (x) (x) (x) (x)	SW13 44 40 40



DW-AS-601-M8-123	DW-AS-601-M8-124	DW-AS-601-M8-001	DW-AS-601-M8-120	DW-AS-601-M8
DW-AS-602-M8-123	DW-AS-602-M8-124	DW-AS-602-M8-001		DW-AS-602-M8
DW-AS-603-M8-123	DW-AS-603-M8-124	DW-AS-603-M8-001	DW-AS-603-M8-120	DW-AS-603-M8
DW-AS-604-M8-123	DW-AS-604-M8-124	DW-AS-604-M8-001		DW-AS-604-M8

A ... D

DW-AS-421-M8-001 DW-AS-422-M8-001 DW-AS-423-M8-001 DW-AS-424-M8-001

A ... D

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A ... D

G ... N

G ... N (N.O.); K ... N (N.C.)

^{*}damped / non-damped



Size	M8			
Operating distance mm	2	2	2	2
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Connection 1)	PVC cable type 2	PVC cable type 2	PVC cable type 2	PVC cable type 2
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Embeddable	Embeddable	Embeddable	Embeddable
Max. switching frequency	3,000 Hz	3,000 Hz	3,000 Hz	3,000 Hz
Technical data 2)	Table 1	Table 1	Table 1	Table 1
Wiring ³⁾	Diagram 1	Diagram 1	Diagram 1	Diagram 1
LED	Built-in	Built-in	Built-in	Built-in
Supply voltage range	10 30 VDC	10 30 VDC	10 30 VDC	10 30 VDC
Ambient temperature range	-25 +70 °C	-25 +70 °C	-25 +70 °C	-25 +70 °C
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
1) Standard cable length 2 m. Non-standard cable lengths and types on request. 2) see page 68 3) see page 69 4) see page 112	increased distance	increased distance	increased distance	increased distance
Dimensions:	M8x1 4 4 LED	M8x1 1 22 2 1 1 LED	M8x1 VELMS 08 08 08 08 08 08 08 08 08 0	M8x1 M8x1 SEED
Part references: (bold: preferred types)				
NPN N.O.	DW-AD-621-M8-120	DW-AD-621-M8-121	DW-AD-621-M8-122	DW-AD-621-M8
NPN N.C.	DW-AD-622-M8-120	DW-AD-622-M8-121	DW-AD-622-M8-122	DW-AD-622-M8
PNP N.O.	DW-AD-623-M8-120	DW-AD-623-M8-121	DW-AD-623-M8-122	DW-AD-623-M8
PNP N.C.	DW-AD-624-M8-120	DW-AD-624-M8-121	DW-AD-624-M8-122	DW-AD-624-M8
NAMUR				
AC/DC 2-wire N.O.				
AC/DC 2-wire N.C.				
Compatible connectors 4)				

M8

	IVIO				wi wi
2	2	2	2	2	switches
Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	
Connector S8	Connector S8	Connector S8	Connector S8	Connector S12	
IP 67	IP 67	IP 67	IP 67	IP 67	ᇢ
Embeddable	Embeddable	Embeddable	Embeddable	Embeddable	proximity switches
3,000 Hz	3,000 Hz	3,000 Hz	3,000 Hz	3,000 Hz	niŧy
Table 1	Table 1	Table 1	Table 1	Table 1	SWi
Diagram 1	Diagram 1	Diagram 1	Diagram 1	Diagram 2	tche
Built-in	Built-in	Built-in	Built-in	Built-in	SS
10 30 VDC	10 30 VDC	10 30 VDC	10 30 VDC	10 30 VDC	
-25 +70 °C	-25 +70 °C	-25 +70 °C	-25 +70 °C	-25 +70 °C	4
≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	`
C	CE THE	Ce III	C	Ce The second se	טלווכמו ווטפו א
increased distance	increased distance	increased distance	increased distance	increased distance	Colliectiff capies
M8x1 W8x1 LED (4x)	M8x1 M8x1 13 25 (4x)	SW13 W8x1 13 40 40	M8x1 M8x1 13 42 42	M8x1 M8x1 M12x1 M12x1	Accessories
					Giossaly
DW-AS-621-M8-129	DW-AS-621-M8-123	DW-AS-621-M8-124	DW-AS-621-M8-001	DW-AS-621-M8	ماع
DW-AS-622-M8-129	DW-AS-622-M8-123	DW-AS-622-M8-124	DW-AS-622-M8-001	DW-AS-622-M8	
DW-AS-623-M8-129	DW-AS-623-M8-123	DW-AS-623-M8-124	DW-AS-623-M8-001	DW-AS-623-M8	
DW-AS-624-M8-129	DW-AS-624-M8-123	DW-AS-624-M8-124	DW-AS-624-M8-001	DW-AS-624-M8	
A D	A D	A D	A D	G N (N.O.); K N (N.C.)	

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SERIES 600

Size	M8			
Operating distance mm	2.5	2.5	2.5	2.5
Housing material	Stainless steel V2A	Stainless steel V2A	Nickel-plated brass	Stainless steel V2A
Connection 1)	PVC cable type 2	PVC cable type 2	PVC cable type 2	Connector S8
Degree of protection	IP 67	IP 67	IP 67	IP 67
Mounting	Non-embeddable	Non-embeddable	Non-embeddable	Non-embeddable
Max. switching frequency	3,000 Hz	3,000 Hz	3,000 Hz	3,000 Hz
Technical data ²⁾	Table 1	Table 1	Table 1	Table 1
Wiring 3)	Diagram 1	Diagram 1	Diagram 1	Diagram 1
LED	Built-in	Built-in	Built-in	Built-in
Supply voltage range	10 30 VDC	10 30 VDC	10 30 VDC	10 30 VDC
Ambient temperature range	-25 +70 °C	-25 +70 °C	-25 +70 °C	-25 +70 °C
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
Dimensions:	Ce	ce	ce	Ce The second se
Part references:	Ø 3,5	M8x1 W8x1	M8x1 W8x1 E S W8x1 A B A B A B A B B B B B B B B B B B B B	SW13 ED WSW13 13.5 1
(bold: preferred types)				
NPN N.O.	DW-AD-611-M8-121	DW-AD-611-M8-122	DW-AD-611-M8	DW-AS-611-M8-123
NPN N.C.	DW-AD-612-M8-121	DW-AD-612-M8-122	DW-AD-612-M8	DW-AS-612-M8-123
PNP N.O.	DW-AD-613-M8-121	DW-AD-613-M8-122	DW-AD-613-M8	DW-AS-613-M8-123
PNP N.C.	DW-AD-614-M8-121	DW-AD-614-M8-122	DW-AD-614-M8	DW-AS-614-M8-123
NAMUR				
AC/DC 2-wire N.O.				
AC/DC 2-wire N.C.				
Compatible connectors 4)				A D

SERIES 600

M8

Stainless steal V2A		2.5	2.5	2.5		tive switches
P67	Sta					
P 67	(Connector S8	Connector S8	Connector S12		2
1030 VDC 1030 VDC 1030 VDC 2570 °C 2570 °C 2570 °C 2570 °C 200 mA ≤ 200 mA 4 Commenting cables 4 Commenting cables 5 Accessories 6 DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-612-M8-001 DW-AS-612-M8-001 DW-AS-613-M8-124 DW-AS-614-M8-124		IP 67	IP 67	IP 67		
1030 VDC 1030 VDC 1030 VDC 2570 °C 2570 °C 2570 °C 2570 °C 200 mA ≤ 200 mA 4 Commenting cables 4 Commenting cables 5 Accessories 6 DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-612-M8-001 DW-AS-612-M8-001 DW-AS-613-M8-124 DW-AS-614-M8-124	No					알 목 - 골
1030 VDC 1030 VDC 1030 VDC 2570 °C 2570 °C 2570 °C 2570 °C 200 mA ≤ 200 mA 4 Commenting cables 4 Commenting cables 5 Accessories 6 DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-612-M8-001 DW-AS-612-M8-001 DW-AS-613-M8-124 DW-AS-614-M8-124						nity nity
1030 VDC 1030 VDC 1030 VDC 2570 °C 2570 °C 2570 °C 2570 °C 200 mA ≤ 200 mA 4 Commenting cables 4 Commenting cables 5 Accessories 6 DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-612-M8-001 DW-AS-612-M8-001 DW-AS-613-M8-124 DW-AS-614-M8-124						lectr swit
1030 VDC 1030 VDC 1030 VDC 2570 °C 2570 °C 2570 °C 2570 °C 200 mA ≤ 200 mA 4 Commenting cables 4 Commenting cables 5 Accessories 6 DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-612-M8-001 DW-AS-612-M8-001 DW-AS-613-M8-124 DW-AS-614-M8-124			-	-		ic ches
25 +70 °C						
S 200 mA \$ 200 m						
DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-613-M8 DW-AS-613-M8-124 DW-AS-614-M8-001 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-						3
DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-612-M8 DW-AS-613-M8-124 DW-AS-613-M8-001 DW-AS-613-M8 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8	رو		CE .	ce		Optical fibers
DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-612-M8 DW-AS-613-M8-124 DW-AS-613-M8-001 DW-AS-613-M8 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-613-M8 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8		15° 11				
DW-AS-611-M8-124 DW-AS-611-M8-001 DW-AS-611-M8 DW-AS-612-M8-124 DW-AS-612-M8-001 DW-AS-612-M8 DW-AS-613-M8-124 DW-AS-613-M8-001 DW-AS-613-M8 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8		23 40 40	M13 4 4 5 3 3 4 4 5 5 4 5 5 4 5 5 6 1 3 1 5 6 1	SW13 19 23 33 45 53 33 45 53 53 53 53 53 53 53 54 54 54 54 54 54 54 54 54 54		Accesso
DW-AS-612-M8-124 DW-AS-612-M8-001 DW-AS-612-M8 DW-AS-613-M8-124 DW-AS-613-M8-001 DW-AS-613-M8 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8	(,		(4x) 1			
DW-AS-613-M8-124 DW-AS-613-M8-001 DW-AS-613-M8 DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8 7						ary
DW-AS-614-M8-124 DW-AS-614-M8-001 DW-AS-614-M8 7						
7						
	DW	-AS-614-M8-124	DW-AS-614-M8-001	DW-AS-614-M8		7
A D A D G N (N.O.); K N (N.C.)						
A D						
7 b d N (N.O.), N N (N.O.)		ΔΠ	Λ D	G N(NO)·K N(NC)		=
		Λ υ	л и	IV (IV.O.), IV IV (IV.O.)		idex

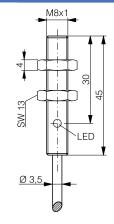
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Size		M8	
Operating distance mm	3	3	3
Housing material	Chrome-plated brass	Chrome-plated brass	Chrome-plated brass
Connection 1)	PVC cable type 2	Connector S8	Connector S12
Degree of protection	IP 67	IP 67	IP 67
Mounting	Quasi-embeddable	Quasi-embeddable	Quasi-embeddable
Max. switching frequency	1,000 Hz	1,000 Hz	1,000 Hz
Technical data ²⁾	Table 1	Table 1	Table 1
Wiring 3)	Diagram 1	Diagram 1	Diagram 2
LED	Built-in	Built-in	Built-in
Supply voltage range	10 30 VDC	10 30 VDC	10 30 VDC
Ambient temperature range	-25 +70 °C	-25 +70 °C	-25 +70 °C
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA
1) Standard cable length 2 m. Non-standard cable lengths and types on request. 2) see page 68 3) see page 69 4) see page 112	Ce The second se	Ce The second second	Ce The second se
	long distance	long distance	long distance
Part references: (bold: preferred types)	M8x1 45 W8x1 LED	M8x1	M8x1
NPN N.O.	DW-AD-501-M8	DW-AS-501-M8-001	DW-AS-501-M8
NPN N.C.	DW-AD-502-M8	DW-AS-502-M8-001	DW-AS-502-M8
PNP N.O.	DW-AD-503-M8	DW-AS-503-M8-001	DW-AS-503-M8
PNP N.C.	DW-AD-504-M8	DW-AS-504-M8-001	DW-AS-504-M8
NAMUR			
AC/DC 2-wire N.O.			
AC/DC 2-wire N.C.			
Compatible connectors 4)		A D	G N (N.O.); K N (N.C.)

4
Chrome-plated brass
PVC cable type 2
IP 67
Quasi-embeddable
500 Hz
Table 1
Diagram 1
Built-in
10 30 VDC
-25 +70 °C
≤ 200 mA





DW-AD-523-M8

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A ... D

G ... N

A ... D

G ... N (N.O.); K ...N (N.C.)

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SERIES 620

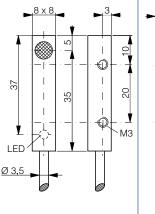
Size	□8x8			
Operating distance mm	1.5	1.5		
Housing material	Nickel-plated brass	Nickel-plated brass		
Connection 1)	PVC cable type 2	Connector S8		
Degree of protection	IP 67	IP 67		
Mounting	Embeddable	Embeddable		
Max. switching frequency	5,000 Hz	5,000 Hz		
Technical data ²⁾	Table 1	Table 1		
Wiring ³⁾	Diagram 1	Diagram 1		
LED	Built-in	Built-in		
Supply voltage range	10 30 VDC	10 30 VDC		
Ambient temperature range	-25 +70 °C	-25 +70 °C		
Output current	≤ 200 mA	≤ 200 mA		
Standard cable length 2 m. Non-standard cable lengths and types on request. see page 68 see page 69 see page 112 Dimensions:	8x8 3	878		
Part references:	8 x 8 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	8 x 8 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
(bold: preferred types)				
NPN N.O.	DW-AD-601-C8	DW-AS-601-C8-001		
NPN N.C.	DW-AD-602-C8	DW-AS-602-C8-001		
PNP N.O.	DW-AD-603-C8	DW-AS-603-C8-001		
PNP N.C.	DW-AD-604-C8	DW-AS-604-C8-001		
NAMUR	511 715 001 00	511 710 00 100		
AC/DC 2-wire N.O.				
AC/DC 2-wire N.C.				
Compatible connectors 4)		A D		
Companio Comitotoro		т о		

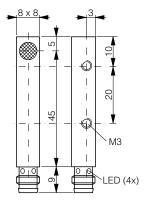
□8x8

2	2
Chrome-plated brass	Chrome-plated brass
PVC cable type 2	Connector S8
IP 67	IP 67
Embeddable	Embeddable
3,000 Hz	3,000 Hz
Table 1	Table 1
Diagram 1	Diagram 1
Built-in	Built-in
10 30 VDC	10 30 VDC
-25 +70 °C	-25 +70 °C
≤ 200 mA	≤ 200 mA









DW-AD-621-C8	DW-AS-621-C8-001
DW-AD-622-C8	DW-AS-622-C8-001
DW-AD-623-C8	DW-AS-623-C8-001
DW-AD-624-C8	DW-AS-624-C8-001
	A D

SERIE	S 500		1
□8			proximity switches
3	3		hes
Chrome-plated brass	Chrome-plated brass		
PVC cable type 2	Connector S8		2
IP 67	IP 67		
Quasi-embeddable	Quasi-embeddable		proximity switches
1,000 Hz	1,000 Hz		mi j
Table 1	Table 1		SWI
Diagram 1	Diagram 1		itch
Built-in	Built-in		, S
10 30 VDC	10 30 VDC		
-25 +70 °C	-25 +70 °C		3
≤ 200 mA	≤ 200 mA		
ce of	CONTRA CONTRA		Optical fibers
long distance	long distance		4 Connecting cables
33 			5 Accessories
LED Ø 3,5			_
	LED (4x)		6
	(177)		
			Glo
DW-AD-501-C8	DW-AS-501-C8		Glossary
DW-AD-501-G8	DW-AS-501-C8		<
DW-AD-503-C8	DW-AS-503-C8		
DW-AD-504-C8	DW-AS-504-C8		
			7
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