

Selection and Ordering data		Order No.	Ord. code
SITRANS FCS400 Standard Flow sensor with hygienic and flange/pipe thread connections for SITRANS FC430 Digital coriolis flowmeter Replacement sensor FCS400 ordered with or without a DSL according to service requirements. For compact or remote mounting with FCT030 transmitter		7 ME 4 6 1 0 -	
Sensor size, connection size			
DN 15, DN 10 (½", 3/8")	◆	3 F	
DN 15, DN 15 (½", ½")	◆	3 G	
DN 15, DN 20 (½", ¾")	◆	3 H	
DN 15, DN 25 (½", 1")	◆	3 J	
DN 25, DN 15 (1", ½")	◆	3 K	
DN 25, DN 25 (1", 1")	◆	3 L	
DN 25, DN 40 (1", 1½")	◆	3 N	
DN 50, DN 40 (2", 1½")	◆	4 B	
DN 50, DN 50 (2", 2")	◆	4 C	
DN 80, DN 65 (3", 2½")	◆	4 J	
DN 80, DN 80 (3", 3")	◆	4 K	
DN 80, DN 100 (3", 4")	◆	4 L	
Process connection			
EN1092-1 B1, PN 16		A 0	
EN1092-1 B1, PN 40	◆	A 1	
EN1092-1 B1, PN 63		A 2	
EN1092-1 B1, PN 100	◆	A 3	
EN1092-1 D nUT, PN 40		A 5	
EN1092-1 D nUT, PN 63		A 6	
EN1092-1 D nUT, PN 100		A 7	
ANSI B16.5-2009, class 150	◆	D 1	
ANSI B16.5-2009, class 300		D 2	
ANSI B16.5-2009, class 600	◆	D 3	
ISO228-1 G pipe thread	◆	E 1	
ASME B1.20.1 NPT pipe thread	◆	E 3	
DIN 11851 hygienic screwed	◆	F 1	
DIN32676 hygienic Tri-Clamp	◆	G 1	
DIN11864-1 aseptic screwed	◆	H 1	
DIN11864-2 aseptic flanged		H 2	
ISO 2852 hygienic clamped	◆	J 1	
ISO 2853 hygienic screwed	◆	J 5	
SMS 1145 hygienic screwed		K 1	
12-VCO-4 quick connect		K 5	
JIS B2200:2004/10K		L 2	
JIS B2220:2004/20K		L 4	
JIS B2220:2004/40K		L 6	
Wetted parts material			
AISI 316L/W1.4435/W1.4404 (100 barg max.)	◆	1	
Calibration/Accuracy class			
0,1 % flow, 5 kg/m³ density	◆	1	
0,1 % flow, 1 kg/m³ density	◆	4	
Standard fraction calibration			
• API number		9	N 0 A
• Balling		9	N 0 B
• °Baumé light		9	N 0 C
• °Baumé heavy		9	N 0 D
• °Brix		9	N 0 E
• °Oeschlé		9	N 0 F
• Plato		9	N 0 G
• Specific Gravity		9	N 0 H
• °Twaddell		9	N 0 J
• %HFCS42		9	N 0 K
• %HFCS55		9	N 0 L
• %HFCS90		9	N 0 M

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SITRANS FCS400 Standard Flow sensor with hygienic and flange/pipe thread connections for SITRANS FC430 Digital coriolis flowmeter Replacement sensor FCS400 ordered with or without a DSL according to service requirements. For compact or remote mounting with FCT030 transmitter		7 ME 4 6 1 0 -	
Transmitter/DSL material & mounting style			
None			A
DSL, IP67, aluminum, M12			N
DSL, IP67, aluminum, M12, T/Box			Q
Ex approval			
Non-Ex	◆		A
ATEX II 2GD	◆		C
IECEx GDb	◆		F
FM/CSA/UL Class 1, Div 1	◆		H
Local User Interface			
None	◆		0
◆ Short lead time (details in PMD)			

Selection and Ordering data		Order code
Further designs		
Please add "-Z" to Order No. and specify Order code(s).		
Cable glands		
None	◆	A00
Metric, no glands	◆	A01
Metric, plastic	◆	A02
Metric, brass/Ni plated	◆	A05
Metric, stainless steel	◆	A06
NPT, no glands	◆	A11
NPT, Plastic	◆	A12
NPT, brass/Ni plated	◆	A15
NPT, stainless steel	◆	A16
Software functions and CT approvals		
None	◆	B10
I/O configuration Ch1		
None	◆	E00
I/O configuration Ch2, Ch3 and Ch4		
None		F00
The MLFB structure for FC430 systems must be filled to this level , including "-Z" options A., B., E. and F.		

Selection and Ordering data	Order code
Add-on options and accessories	
Please add "-Z" to Order No. and specify Order code(s).	
Certificates	
Pressure test certificate CRN	◆ C01
Pressure test certificate PED	◆ C02
Material certificate EN 10204-3.1	◆ C05
Welding inspection report	C07
Factory certificate to EN 10204 2.1	◆ C10
Factory certificate to EN 10204 2.2	◆ C11
Cable	
5 m (16.4 ft), standard with M12 plugs fitted	◆ L51
5 m (16.4 ft), standard	◆ L52
10 m (32.8 ft) standard with M12 plugs fitted	◆ L55
10 m (32.8 ft), standard	◆ L56
25 m (82 ft), standard with M12 plugs fitted	◆ L59
25 m (82 ft), standard	◆ L60
50 m (164 ft), standard with M12 plugs fitted	◆ L63
50 m (164 ft), standard	◆ L64
75 m (246 ft), standard with M12 plugs fitted	◆ L67
75 m (246 ft), standard	◆ L68
150 m (492 ft), standard with M12 plugs fitted	◆ L71
150 m (492 ft), standard	◆ L72
Additional data	
Please add "-Z" to Order No. and specify Order code(s) and plain text.	
Tag name	
Tag name plate, stainless steel	Y17
Customer specific calibration	
Customer specific calibration (5 flow x 2 points)	Y61
Customer specific calibration (10 flow x 1 point)	Y62
◆ Short lead time (details in PMD)	

Operating instructions for SITRANS FC430

Description	Order No.
• English	A5E03361511
• German	A5E03651143
• Spanish	A5E03651152
• French	A5E03651188
• Italian	A5E03651190
• Chinese	A5E03922773

This device is shipped with a Quick Start guide and a CD containing further SITRANS F C literature.

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<http://www.siemens.com/flowdocumentation>

Selection and Ordering data	Order No. Ord. code	
SITRANS FCS400 Flow sensor Hygienic version with Ra < 0.8 µm. EHEDG and 3A approved for SITRANS FC430 Digital coriolis flowmeter Replacement sensor ordered with or without a DSL according to service requirements. For compact or remote mounting with FCT030 transmitter	◆ 7 ME 4 6 2 0 -	
Sensor size, connection size DN 15, DN 10 (½", 3/8") DN 15, DN 15 (½", ½") DN 15, DN 20 (½", ¾") DN 15, DN 25 (½", 1") DN 25, DN 25 (1", 1") DN 25, DN 25 (1", 1¼") DN 25, DN 40 (1", 1½") DN 50, DN 40 (2", 1½") DN 50, DN 50 (2", 2") DN 80, DN 65 (3", 2½") DN 80, DN 80 (3", 3")	3 F ◆ 3 G 3 H 3 J ◆ 3 L 3 M 3 N 4 B ◆ 4 C 4 J ◆ 4 K	
Process connection DIN 11851 0,8 µm screwed DIN 32676 0,8 µm Tri-Clamp DIN 11864-1 0,8 µm screwed DIN 11864-2 0,8 µm flanged ISO 2852 0,8 µm clamped ISO 2853 0,8 µm screwed	◆ F 1 ◆ G 1 ◆ H 1 H 2 ◆ J 1 ◆ J 5	
Wetted parts material ISO228-1 G pipe thread	◆ 1	
Calibration/Accuracy class 0,1 % flow, 5 kg/m³ density 0,1 % flow, 1 kg/m³ density Standard fraction calibration • API number • Balling • °Baumé light • °Baumé heavy • °Brix • °Oeschlé • °Plato • Specific Gravity • °Twaddell • %HFCS42 • %HFCS55 • %HFCS90	◆ 1 ◆ 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9	N 0 A N 0 B N 0 C N 0 D N 0 E N 0 F N 0 G N 0 H N 0 J N 0 K N 0 L N 0 M
Transmitter/DSL material and mounting style None DSL, IP67, aluminum, M12 DSL, IP67, aluminum, M12, T/Box	◆ ◆ ◆	A N Q
Ex approval Non-Ex ATEX II 2GD IECEx GDb FM/CSA/UL Class 1, Div 1	◆ ◆ ◆ ◆	A C F H
Local User Interface None	◆	0

◆ Short lead time (details in PMD)

Selection and Ordering data	Order code
Further designs Please add "-Z" to Order No. and specify Order code(s).	
Cable glands None Metric, no glands Metric, plastic Metric, brass/Ni plated Metric, stainless steel NPT, no glands NPT, plastic NPT, brass/Ni plated NPT, stainless steel	◆ A00 ◆ A01 ◆ A02 ◆ A05 ◆ A06 ◆ A11 ◆ A12 ◆ A15 ◆ A16
Software functions and CT approvals None	◆ B10
I/O configuration Ch1 None	◆ E00
I/O configuration Ch2, Ch3 and Ch4 None The MLFB structure for FC430 systems must be filled to this level , including "-Z" options A..., B..., E.. and F..	F00

Selection and Ordering data	Order code
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Add-on options and accessories

Please add "-Z" to Order No. and specify Order code(s).

Certificates

Pressure test certificate CRN	◆ C01
Pressure test certificate PED	◆ C02
Material certificate EN 10204-3.1	◆ C05
Welding inspection report	C07
Factory certificate to EN 10204 2.1	◆ C10
Factory certificate to EN 10204 2.2	◆ C11

Cable

5 m (16.4 ft), standard with M12 plugs fitted	◆ L51
5 m (16.4 ft), standard	◆ L52
10 m (32.8 ft) standard with M12 plugs fitted	◆ L55
10 m (32.8 ft), standard	◆ L56
25 m (82 ft), standard with M12 plugs fitted	◆ L59
25 m (82 ft), standard	◆ L60
50 m (164 ft), standard with M12 plugs fitted	◆ L63
50 m (164 ft), standard	◆ L64
75 m (246 ft), standard with M12 plugs fitted	◆ L67
75 m (246 ft), standard	◆ L68
150 m (492 ft), standard with M12 plugs fitted	◆ L71
150 m (492 ft), standard	◆ L72

Additional data

Please add "-Z" to Order No. and specify Order code(s) and plain text.

Tag name

Tag name plate, stainless steel	Y17
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Customer specific calibration

Customer specific calibration (5 flow x 2 points)	Y61
Customer specific calibration (10 flow x 1 point)	Y62

◆ Short lead time (details in PMD)

Operating instructions for SITRANS FC430

Description	Order No.
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• German	A5E03651143
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SITRANS FCS400 NAMUR compliant flow sensor with flange/pipe thread connections for SITRANS FC430 Digital coriolis flowmeter Replacement sensor ordered with or without a DSL according to service requirements. For compact or remote mounting with FCT030 transmitter	◆	7 ME 4 7 1 0 -	
Sensor size, Connection size			
DN 15, DN 15 (½", ½")	◆	3 G	
DN 25, DN 25 (1", 1")	◆	3 L	
DN 50, DN 50 (2", 2")	◆	4 C	
DN 80, DN 80 (3", 3")	◆	4 K	
Process connection			
EN1092-1 B1, PN 40	◆	A 1	
EN1092-1 B1, PN 100	◆	A 3	
ANSI B16.5-2009, class 150	◆	D 1	
ANSI B16.5-2009, class 600	◆	D 3	
ISO228-1 G pipe thread	◆	E 1	
ASME B1.20.1 NPT pipe thread	◆	E 3	
Wetted parts material			
AISI 316L/W1.4435/W1.4404 (100 barg max.)	◆	1	
Calibration/Accuracy class			
0,1 % flow, 5 kg/m³ density	◆	1	
0,1 % flow, 1 kg/m³ density	◆	4	
Standard fraction calibration			
• API number		9	N 0 A
• Balling		9	N 0 B
• °Baumé light		9	N 0 C
• °Baumé heavy		9	N 0 D
• °Brix		9	N 0 E
• °Oeschlé		9	N 0 F
• °Plato		9	N 0 G
• Specific Gravity		9	N 0 H
• °Twaddell		9	N 0 J
• %HFCS42		9	N 0 K
• %HFCS55		9	N 0 L
• %HFCS90		9	N 0 M
Transmitter/DSL material & mounting style			
None		A	
DSL, IP67, aluminum, M12		N	
DSL, IP67, aluminum, M12, T/Box		Q	
Ex approval			
Non-Ex	◆	A	
ATEX II 2GD	◆	C	
IECEx GDb	◆	F	
FM/CSA/UL Class 1, Div 1	◆	H	
Local User Interface			
None	◆	0	

◆ Short lead time (details in PMD)

Selection and Ordering data		Order code
Further designs		
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Cable glands		
None	◆	A00
Metric, no glands	◆	A01
Metric, plastic	◆	A02
Metric, brass/Ni plated	◆	A05
Metric, stainless steel	◆	A06
NPT, no glands	◆	A11
NPT, plastic	◆	A12
NPT, brass/Ni plated	◆	A15
NPT, stainless steel	◆	A16
Software functions and CT approvals		
None	◆	B10
I/O configuration Ch1		
None	◆	E00
I/O configuration Ch2, Ch3 and Ch4		
None		F00
The MLFB structure for FC430 systems must be filled to this level , including "-Z" options A..., B..., E... and F...		

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Add-on options and accessories

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25 m (82 ft), standard	◆ L60
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75 m (246 ft), standard	◆ L68
150 m (492 ft), standard with M12 plugs fitted	◆ L71
150 m (492 ft), standard	◆ L72

Additional data

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Tag name

Tag name plate, stainless steel	Y17
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