

COILS AND ACCESSORIES

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	▮ - instant fittings O.D. (mm) ▮ - internal thread ØG																	
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Pneumatic accessories ⁽¹⁾																		
Panel-mounted in-line flow regulator						▮	▮	▮	▮	▮	▮							
Banjo flow regulator	▮	▮	▮	▮	▮	▮	▮	▮	▮	▮					plastic			
																		metal
Flow regulator silencer							▮	▮										
Exhaust regulator with integrated silencer							▮	▮	▮	▮								
Silencer							▮	▮	▮	▮	▮	▮	▮	▮	plastic or metal			
Exhaust protector High Flow Exhaust Protector							▮	▮	▮	▮	▮	▮	▮	▮				
Shuttle valve							▮	▮										
Non-return valve	▮	▮				▮	▮	▮	▮	▮					plastic			
																		metal
Quick exhaust valve								▮	▮	▮	▮							

⁽¹⁾ For equivalence between accessory and cylinder sizes, see page III

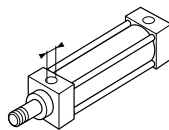
product	pipe connections														pad mount	type	illustration	series	page
	- instant fittings O.D. (mm) - push-in hose connection - internal thread ØG - external thread ØG - pad mount																		
	3	4	6..12	M3	M5	1/8	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2					
Pneumatic accessories ⁽¹⁾																			
t																red green yellow		346	3
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⁽¹⁾ For equivalence between accessory and cylinder sizes, see page III

⁽²⁾ See "Pneumatic Automation" section.

PNEUMATIC CYLINDER PORT DIAMETERS

The following table will enable you to select the correct size of the pneumatic accessories for direct fitting to the cylinder ports (banjo flow regulator, orientable cylinder blocking fitting).



type	series	cylinder bore (mm)																		
		6	8	10	12	16	18	20	22	25	32	40	50	63	80	100	125	160	200	250
E	429	✱	-	✱	-	✱	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	441	-	M5	M5	M5	M5	-	M5	-	M5	1/8	1/8	1/8	1/8	1/8	1/8	-	-	-	-
-	435	-	M5	M5	M5	M5	-	1/8	-	1/8	-	-	-	-	-	-	-	-	-	-
-	438	-	-	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	-	-	-	-	-	-
-	449	-	-	-	-	-	-	M5	-	M5	1/8	1/8	1/8	1/8	1/8	1/8	-	-	-	-
-	453	-	-	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	3/8	1/2	-	-	-	-
-	454	-	-	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	3/8	1/2	-	-	-	-
-	450	-	-	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	3/8	1/2	1/2	3/4	3/4	-
PIS	436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
PCN	437	-	-	-	-	-	-	-	-	1/8	1/8	1/4	1/4	3/8	3/8	1/2	1/2	3/4	3/4	-
-	431	-	-	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	3/8	-	-	-	-	-
-	S	-	-	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	3/8	1/2	1/2	-	-	-
STN	445	M5	-	M5	-	M5	-	1/8	-	1/8	1/8	1/4	-	-	-	-	-	-	-	-
STG	445	M5	-	M5	-	M5	-	1/8	-	1/8	1/8	1/4	-	-	-	-	-	-	-	-
STB	446	-	-	-	-	-	-	-	-	1/8	1/4	1/4	3/8	3/8	-	-	-	-	-	-
STBN	446	-	-	-	-	M5	-	-	-	1/8	1/4	1/4	1/4	3/8	1/2	-	-	-	-	-
STB	448	-	-	-	-	M5	-	-	-	1/8	1/4	1/4	1/4	3/8	1/2	-	-	-	-	-
STB (with passive brake)	448	-	-	-	-	-	-	-	-	1/8	1/4	1/4	1/4	3/8	1/2	-	-	-	-	-
STBB	448	-	-	-	-	-	-	-	-	1/8	1/4	1/4	1/4	-	-	-	-	-	-	-
STBB (with passive brake)	448	-	-	-	-	-	-	-	-	1/8	1/4	1/4	1/4	-	-	-	-	-	-	-
-	CGT	-	-	-	-	M5	-	1/8	-	1/8	1/8	1/8	1/4	1/4	-	-	-	-	-	-
P2L - P2B	447	-	-	-	-	M5	-	M5	-	M5	1/8	-	-	-	-	-	-	-	-	-
R	429	-	-	-	M5	-	-	M5	-	-	-	-	-	-	-	-	-	-	-	-
RS	429	-	-	-	-	M5	M5	-	M5	-	-	-	-	-	-	-	-	-	-	-

* hose connections

description	illustration	series	page
Coils and solenoid operators			
Replacement coils		400 430	IV
Connectors			
Electrical connectors EN 175301-803, industry standard form B (11 mm, size 22) ISO 4400 / EN 175301-803, form A (18 mm, size 30)		881	27
EN 175301-803, industry standard form C (9,4 mm, size 15) EN 175301-803, form C (8 mm, size 15)		881	29
Visual indication (LED) and electrical protection module (size 15)		881	31
ISO 4400 / EN 175301-803, form A (size 30) with protection by TRANSIL and LED display		881	33

COIL CHARACTERISTICS

All coils are designed to operate at 15% or 10% below the nominal voltage (Un) and at 10% above the nominal voltage (Un). [Applicable standards: IEC 335, EN 60730- 1, UL 429]

The coils are rated for continuous duty within the maximum ambient temperature limits (100% ED).

CATALOGUE NUMBERS OF REPLACEMENT COILS

solenoid valve series	coil type	alternating current , AC (~) 50 Hz					direct current , DC (=)			
		24V	48V	115V	230V	240V	12V	24V	48V	110V
189	C22A - 2,5 W	43004416 (♣)	43004417 (♣)	43004419 (♣)	43004422 (♣)	43004423 (♣)	43004149	43004166	43004167	43004168
	C22 - 2,5 W (M12)	-	-	-	-	-	-	43005523	-	-
189	CM22 - 2,5 W	43004878 (♣)	43004879 (♣)	43004884 (♣)	43004886 (♣)	43004887 (♣)	43004867	43004869	43004873	43004875
189 banjo 551	CM22 ⁽¹⁾ - 2,5/3W	400127-081 (♣)	400127-085 (♣)	400127-098 (115V/50-120V/60)	400127-097 (♣)	400127-091 (♣)	400904-541	400904-542	400904-544	400904-548
356 (1/8)	CM22-4W/6,9W F	400127-181 (♣)	400127-185 (♣)	400127-181 (115V/50-120V/60)	400127-197 (♣)	-	400127-141	400127-142	400127-144	400127-148
356 (1/4)	CM25-5W/6,9W F	400727-181 (♣)	400727-185 (♣)	400727-118 (115V/50)	400727-117 (130V/50)	-	400727-181	400727-185	400727-118	400727-117
190	C25A - 3W	43004469	43004473	43004471	43004472	-	43004469	43004473	43004471	43004472
	C25 - 3 W (M12)	-	-	-	-	-	-	43005525	-	-
192	C30A	43005604 (♣)	43005611	43005617 (115V/50-120V/60)	43005627	-	-	43005642	-	-
	C30 (M12)	-	-	-	-	-	-	43005664	-	-

⁽¹⁾ For high reliability in humid exterior environments

(♣) Bifrequency 50/60 Hz.

CM22-4/6,9W COIL with connector Example: series 551, 356	C22 COIL with M12 connection Example: series 189	CM25-5/6,9W COIL with connector Example: series 238, 356 1/4	C25 COIL with M12 connection Example: series 190	C30A COIL with connector Example: series 192	C30 COIL with M12 connector Example: series 192
					

PANEL MOUNTED "IN LINE" FLOW REGULATORS

FLUID :

Air or neutral gas, filtered, lubricated or not

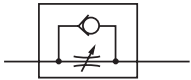
OPERATING PRESSURE : 1 to 10 bar

TEMPERATURE : -10°C to +60°C

CONSTRUCTION :

Body in aluminium

Seals in NBR (nitrile)

	
Connection Ø	CODES
Ø M5	34602010
G 1/8	34602152
G 1/4	34602153
G 3/8	34602154
G 1/2	34602155
G 3/4	34600156



BANJO FLOW REGULATOR, ADAPTABLE ON CYLINDER

FLUID :

Air or neutral gas, filtered, lubricated or not

OPERATING PRESSURE : 1 to 10 bar

TEMPERATURE : 0°C to +70°C

Banjo connection for **direct** fitting to cylinder port for simple, compact installation.

Version (B) with a recessed adjustment screw is an even more compact design. It offers the additional advantage of preventing inadvertent loss of flow adjustment. Can be locked with a spot of varnish.

CONSTRUCTION :

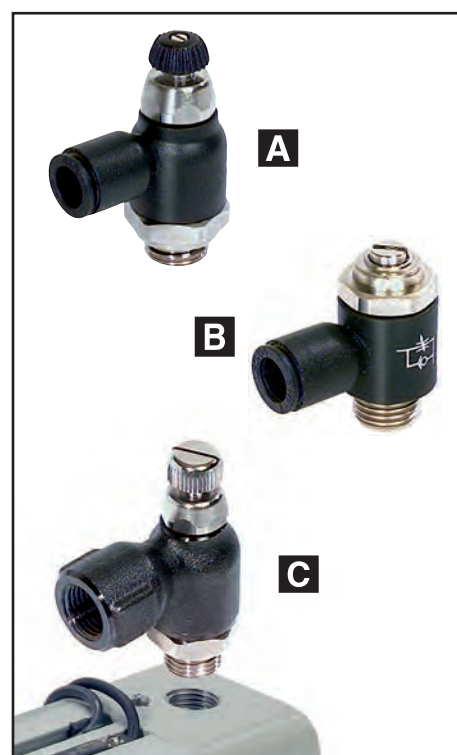
Body in polymer (A - B)

or brass treated (version C)

Screw, lock-nut, subbase in brass

Seals in NBR (nitrile)

		
Installation Ø	Ø connection by instant fittings	CODES
A Plastic body, adjustable by button/screw		
Ø M5	Ø 4 mm ext.	34602188
G 1/8	Ø 4 mm ext.	34602221
G 1/8	Ø 6 mm ext.	34602222
G 1/4	Ø 6 mm ext.	34602223
G 1/4	Ø 8 mm ext.	34602224
G 3/8	Ø 10 mm ext.	34602021
G 1/2	Ø 12 mm ext.	34602022
B Plastic body, adjustable by screw recessed		
Ø M5	Ø 4 mm ext.	34602016
G 1/8	Ø 4 mm ext.	34602017
G 1/8	Ø 6 mm ext.	34602018
G 1/4	Ø 6 mm ext.	34602019
G 1/4	Ø 8 mm ext.	34602020
Installation Ø	Ø connection tapped	CODES
C Metal body, tapped output, adjustable by button/screw		
G 1/8	G 1/8	34602181
G 1/4	G 1/4	34602182
G 3/8	G 3/8	34602183



SPEED CONTROL SILENCER

FLUID :

Air or neutral gas, filtered, lubricated or not

OPERATING PRESSURE : 0,5 - 10 bar

TEMPERATURE : -20°C to +70°C

CONSTRUCTION :

Body Brass

Spring Stainless steel

Seals NBR (nitrile)

	
Connection Ø	CODES
G 1/8	SE10RM
G 1/4	SE25RM



EXHAUST REGULATOR + SILENCER

FLUID :

Air or neutral gas, filtered, lubricated or not

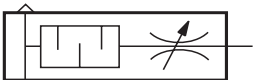
OPERATING PRESSURE : 0 to 10 bar

TEMPERATURE : -10°C to +80°C

CONSTRUCTION :

Body in polymer

Silencer part in porous plastic

	
Connection Ø	CODES
G 1/8	34600413
G 1/4	34600414
G 3/8	34600415
G 1/2	34600416

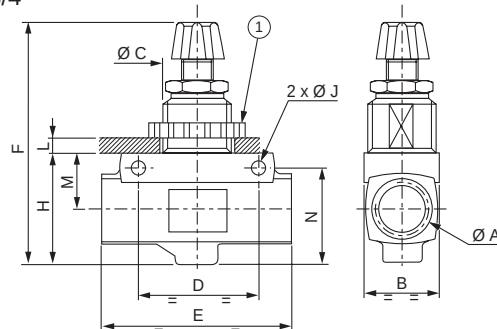
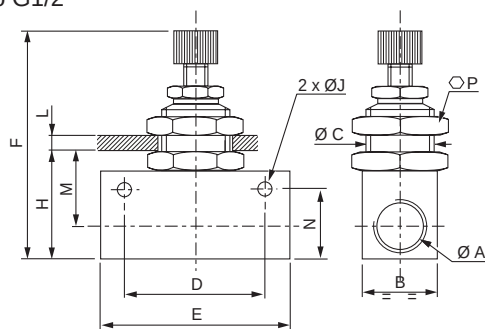


DIMENSIONS AND WEIGHTS

PANEL-MOUNTED "IN-LINE" FLOW REGULATORS

■ M5 to G1/2

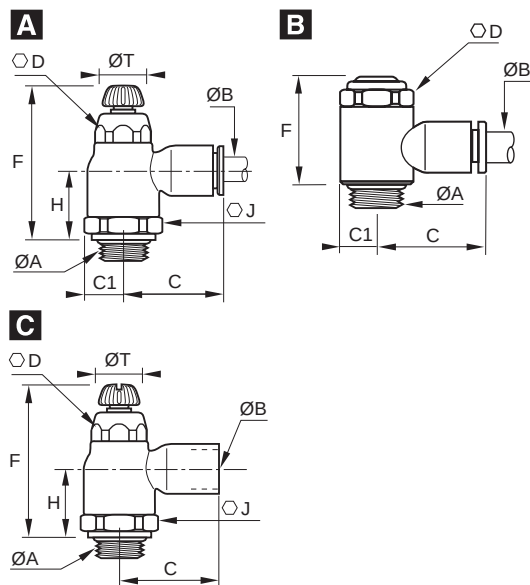
■ G3/4



CODES	Ø A	B	Ø C	D	E	F min.	F max.	H	Ø J	L max.	M	N	Ø P	Weight (kg)
34602010	M5	12	M9 x 0,75	18	25	32	37	17	3,2	3	10	12	11	0,019
34602152	G 1/8	16	M12 x 0,75	24	34	49	56	24	4,5	6	16	16	15	0,060
34602153	G 1/4	25	M18 x 1,5	35	50	67	75	35	6,5	7,5	23	25	22	0,140
34602154	G 3/8	25	M18 x 1,5	40	58	67	75	35	6,5	7,5	23	25	22	0,245
34602155	G 1/2	30	M22 x 1,5	50	65	80	92	46	6,5	10	29	33	26	0,360
34600156	G 3/4	39	M37 x 2	70	110	119	132	58	6,5	15,5	28	51	-	0,550

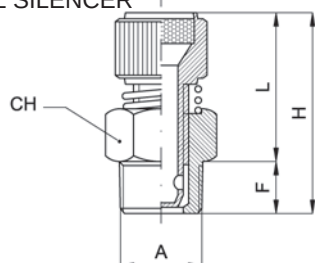
① Knurled nut

BANJO FLOW REGULATOR, ADAPTABLE ON CYLINDER



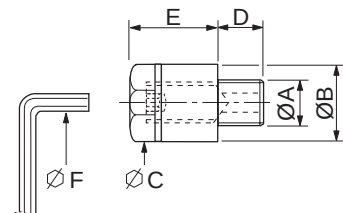
CODES	Ø A	Ø B	C	C1	D	F min.	F max.	H	J	Ø T	Weight
A Plastic body, instant fittings output, adjustable by button/screw											
34602188	M 5	4	17	4,5	6	23,5	26	-	-	-	0,008
34602221	G 1/8	4	22	9	10	38	44	16	16	10	0,021
34602222	G 1/8	6	22	9	10	38	44	16	16	10	0,021
34602223	G 1/4	6	22	9	10	36,5	42,5	15	16	10	0,021
34602224	G 1/4	8	28	10,5	14	41,5	48	18,5	19	12	0,037
34602021	G 3/8	10	32	12,5	17	45,5	54	20	23	17	0,059
34602022	G 1/2	12	35	13	17	45,5	54	20	24	17	0,065
B Plastic body, instant fittings output, adjustable by screw recessed											
34602016	M 5	4	19	5	8	17,5	19	-	-	-	0,007
34602017	G 1/8	4	19	7	13	25	26	-	-	-	0,017
34602018	G 1/8	6	21	7	13	25	26	-	-	-	0,019
34602019	G 1/4	6	22	9,5	17	26,5	28	-	-	-	0,034
34602020	G 1/4	8	27	9,5	17	26,5	28	-	-	-	0,035
C Metal body, tapped output, adjustable by button/screw											
34602181	G 1/8	G1/8	22,5	-	10	47	52,5	23	19	-	0,076
34602182	G 1/4	G1/4	32	-	14	50,5	55,5	25	19	-	0,107
34602183	G 3/8	G3/8	34,5	-	17	56	62	27	25	-	0,212

SPEED CONTROL SILENCER



CODES	F	L		H		CH	A
		min.	max.	min.	max.		
SE10RM	6	20	22	26	28	13	G1/8
SE25RM	8	22	24	30	32	15	G1/4

EXHAUST REGULATOR + SILENCER



CODES	Ø A	Ø B	Ø C	D	E	Ø F	Weight (kg)
34600413	G1/8	15	13	6	14,5	2,5	0,005
34600414	G1/4	18	15	7	22	4	0,010
34600415	G3/8	24	20	8	30	6	0,030
34600416	G1/2	30	25	10	40	8	0,050

All leaflets are available on: www.ascocom

ASCO™ Numatics Pneumatic Accessories

Silencer - Exhaust Protector - High Flow Exhaust Protector
Shuttle Valve

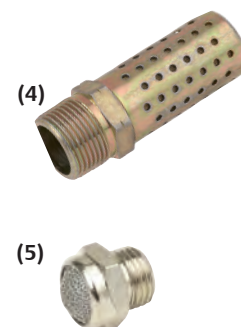
Series
346 - M - 888

Silencer (1) (2) (5), Exhaust Protector (3) (4)

		(1)	(2)	(3)
Operating pressure		0 to 10 bar		0 to 12 bar
Ambient temperature range		-10°C to +80°C		
Construction	body	porous plastic	porous bronze	bronze
	connection piece	plastic	brass	brass
Catalog number				
Pipe size	Ø M5	34600405	34600207	34600491
	G 1/8	34600406	34600001	34600492
	G 1/4	34600407	34600002	34600493
	G 3/8	34600408	34600003	34600494
	G 1/2	34600409	34600004	34600495
	G 3/4	34600410	34600005	34600496
	G 1	34600411	34600006	34600497



		(4)	(5)	
Operating pressure		0 to 14 bar	0 to 10 bar	
Ambient temperature range		-20°C to +110°C	-10°C to +80°C	
Construction	body	zinc-plated steel, bichromate	stainless steel	
	connection piece	brass	nickel plated brass	
Pipe size		G (ISO 228/1)	M	G (ISO 228/1) NPT
		Catalog number		
Pipe size	Ø M5	-	34600484	-
	1/8"	M1MB	-	34600418 34600482
	1/4"	M2MB	-	34600419 34600483
	3/8"	M3MB	-	34600478 -
	1/2"	M4MB	-	34600479 34600481
	3/4"	M5MB	-	-
	1"	M6MB	-	-



High Flow Exhaust Protector (6)

		(6)		
Operating pressure		0 to 10 bar		
Ambient temperature range		-60°C to +90°C		
Construction	body	stainless steel		
	connection piece	stainless steel		
Pipe size		G (ISO 228/1)	E (ISO 7/1)	NPT
		Catalog number		
Pipe size	1/4"	G888A11210A0000	E888A11210A0000	8888A11210A0000
	3/8"	G888A11310A0000	E888A11310A0000	8888A11310A0000
	1/2"	G888A11410A0000	E888A11410A0000	8888A11410A0000
	3/4"	G888A11510A0000	E888A11510A0000	8888A11510A0000
	1"	G888A11610A0000	E888A11610A0000	8888A11610A0000
	1" 1/2	G888A11710A0000	E888A11710A0000	8888A11710A0000
	2"	G888A11810A0000	E888A11810A0000	8888A11810A0000



Shuttle Valve

Fluids

Air or filtered neutral gas, lubricated or not

Operating pressure
Ambient temperature range

1 to 10 bar
-10°C to +60°C

Construction

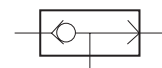
Body

Black anodised aluminium

Internal parts

Steel + NBR (nitrile)

pipe size	Ø orifice (mm)	Catalog number
G 1/8	3.2	34600127
G 1/4	6	34600119



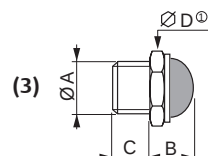
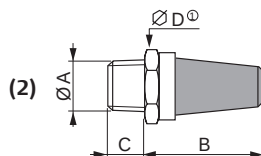
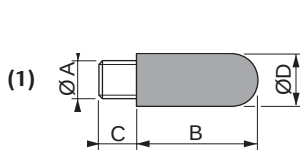
Series

346 - M - 888

ASCO™ Numatics Pneumatic Accessories

Dimensions (mm), Weight (kg)

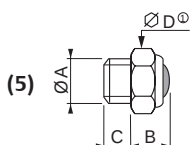
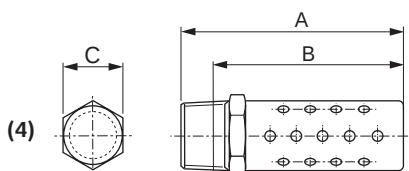
Silencer (1) (2) (5) - Exhaust Protector (3) (4) - High Flow Exhaust Protector (6)



Catalog number	ØA	B	C	ØD	weight
34600405	M5	17.5	4	6.5	0.0005
34600406	G1/8	28.5	5.5	12.5	0.002
34600407	G1/4	34.5	8	15.5	0.004
34600408	G3/8	56	11.5	18.5	0.006
34600409	G1/2	66.5	11	23.3	0.010
34600410	G3/4	115.5	16	38.5	0.040
34600411	G1	140	21	49	0.065

Catalog number	ØA	B	C	ØD	weight
34600207	M5	18	4	8	0.004
34600001	G1/8*	22.4	5.6	13	0.010
34600002	G1/4*	41.6	8.4	16	0.030
34600003	G3/8*	49.2	8.8	24	0.030
34600004	G1/2*	54.6	11.4	27	0.070
34600005	G3/4*	82.3	12.7	36	0.300
34600006	G1*	93.5	14.5	50	0.400

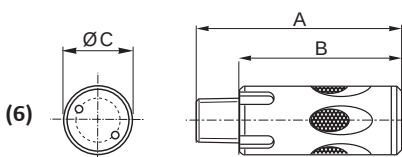
Catalog number	ØA	B	C	ØD	weight
34600491	M5	8	3.5	8	0.002
34600492	G1/8	11	6	13	0.007
34600493	G1/4	12	8	16	0.011
34600494	G3/8	14	8	19	0.016
34600495	G1/2	16	10	24	0.027
34600496	G3/4	16	10	30	0.044
34600497	G1	18	11.5	36	0.065



Catalog number	Ø	A	B	C	weight
M1MB	G1/8	35	31	11	0.009
M2MB	G1/4	44	39	14	0.023
M3MB	G3/8	57	51	18	0.036
M4MB	G1/2	69	61	22	0.068
M5MB	G3/4	80	71	27	0.036
M6MB	G1	99	88	33	0.227

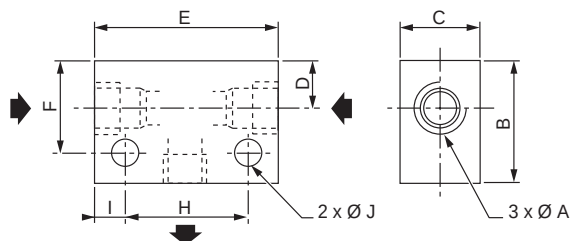
Catalog number	ØA	B	C	ØD	weight
34600484	M5	4.5	3.2	8	0.001
34600418	G1/8	10	6	13	0.006
34600419	G1/4	11	8	16	0.010
34600478	G3/8	11	9	19	0.014
34600479	G1/2	14	9	24	0.023

① D: Across flats



Catalog number	Ø	A	B	ØC	weight
x888A11210A0000	1/4"	51.5	15	18	0.067
x888A11310A0000	3/8"	60.5	15	25	0.140
x888A11410A0000	1/2"	75	19	30	0.240
x888A11510A0000	3/4"	95	19	45	0.693
x888A11610A0000	1"	118	23	55	1.21
x888A11710A0000	1 1/2"	151	25	80	3.28
x888A11810A0000	2"	195	25	110	8.03

Shuttle Valve



Catalog number	ØA	B	C	D	E	F	H	I	J	weight
34600127	G1/8	26	16	8.5	51	20.5	32	9.5	4.5	0.150
34600119	G1/4	30	20	10.5	52	21.5	35	8.5	5.5	0.210

ASCO™ Numatics Pneumatic Accessories

Non-Return Valve - Quick Exhaust Valve - Pneumatic Indicator

Series
346

Non-Return Valve



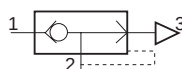
Fluids	Air or filtered neutral gas, lubricated or not	
Operating pressure	plastic body	1 to 10 bar
	metal body	0.5 to 10 bar
Ambient temperature range	-10°C to +60°C	
Construction		
Body	instant fittings version	
Technical polymer	tapped version	Brass nicked
Internal parts	Light alloy and brass	
Seals	NBR (nitrile)	

pipe size	flow at 6 bar (l/min)	Catalog number
(1) Plastic body (instant fittings)		
Ø 4 mm (OD)	330	34602445
Ø 6 mm (OD)	665	34602446
Ø 8 mm (OD)	1630	34602447
(2) Metal body (tapped)		
Ø M5	190	34602412
G 1/8	920	34602124
G 1/4	1650	34602125
G 3/8	2400	34602444
G 1/2	3500	34602126



Quick Exhaust Valve

Fluid	Air or filtered neutral gas, lubricated or not	
Operating pressure	0.5 to 10 bar	
Ambient temperature range	-10°C to +60°C	
Construction		
Body	Light alloy	
Diaphragm	NBR (nitrile)	

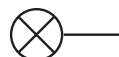


pipe size	Ø orifice (mm)	Catalog number
G 1/4	12	34600136
G 3/8	12	34600137
G 1/2	20	34600138
G 3/4	20	34600139



Pneumatic Indicator

Fluid	Air or filtered neutral gas, lubricated or not	
Operating pressure	2 to 8 bar	
Ambient temperature range	+50°C to +70°C	
Angle of vision	180°	
Construction		
Lens	PC (polycarbonate)	
Body and collar	POM (polyacetal)	
Nut	Brass	



color	Catalog number
red	34600130
green	34600131
yellow	34600132



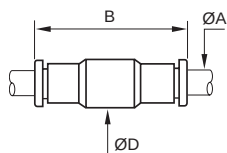
Series
346

ASCO™ Numatics Pneumatic Accessories

Dimensions (mm), Weight (kg)

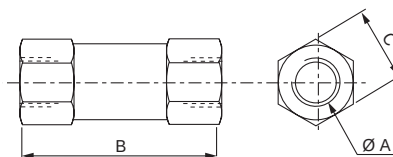
Non-Return Valve

(1) Plastic body (instant fittings)



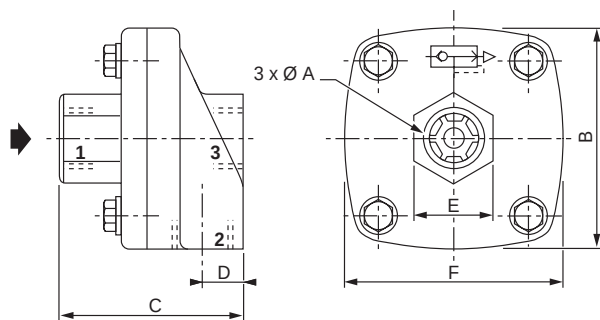
Catalog number	ØA (OD)	B	C	ØD	weight
34602445	4 mm	38	-	16	0.008
34602446	6 mm.	41	-	16	0.013
34602447	8 mm	51.5	-	19	0.018

(2) Metal body (tapped)



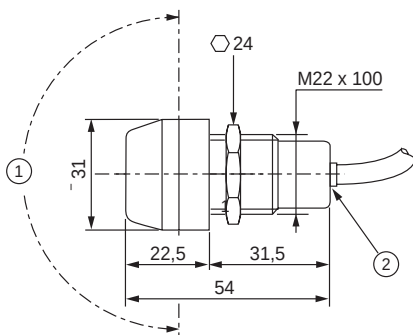
Catalog number	ØA	B	C	weight
34602412	Ø M5	25	8	0.008
34602124	G 1/8	36.5	13	0.025
34602125	G 1/4	41	16	0.041
34602444	G 3/8	51	20	0.074
34602126	G 1/2	62	24	0.120

Quick Exhaust Valve



Catalog number	ØA	B	C	D	E	F	weight
34600136	G1/4	64	52	13	25	64	0.185
34600137	G3/8	64	52	13	25	64	0.185
34600138	G1/2	85	72	19	38	97	0.420
34600139	G3/4	85	72	19	38	97	0.390

Pneumatic Indicator



Catalog number	weight
34600130	0.035
34600131	
34600132	

- ① Angle of vision 180°
② Instant fittings for flexible tube Ø 4 mm OD

HIGH FLOW AIR MUFFLERS

G 1/2 to G 2

Series
SEHB



PRESENTATION

- Provides up to 85% perceived noise reduction and 94% Flow Factor

UTILISATION

The High Flow Air Muffler satisfies the need to muffle explosive air exhaust noise discharged with optimized CV flow factor, thus substantially improving equipment performance.

Constructed with a unique expansion chamber, completely free of obstruction, exhaust air flows softly to atmosphere free of noise, oil fog, and contaminants.

Units are constructed entirely with corrosion resistant material for long life and maintenance-free performance.

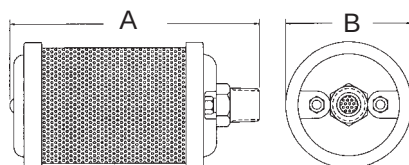
SPECIFICATIONS

FLUID	Compressed air or neutral gas
PORTS	G 1/2 to G 2
MAX. PRESSURE	10 bar
TEMPERATURE	-40 °C (with dry air only - otherwise danger of icing) to max. +145 °C
MAX. FLOW	7240 to 90600 l/min (ANR)
NOISE REDUCTION	> 85%



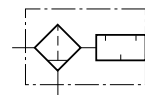
SEHB High Flow Air Muffler max 10 bar

Thread G	Chambers	A mm	B mm	Weight kg	Flow at 6,2 bar l/min (ANR)	code
1/2	1	152	80	0,34	7240	SE50HB
3/4"	1	183	86	0,45	15400	SE75HB
1"	1	222	98	0,59	22600	SE100HB
1 1/4"	1	222	98	0,61	38500	SE125HB
1 1/2"	1	344	133	1,45	58900	SE150HB
2"	1	479	133	1,86	90600	SE200HB



EXHAUST SILENCER FILTER

G 1/2 to G 1 1/4

 Series
346


USE

Designed to reduce undesirable effects caused by discharges from compressed air installations:

- Reduces noise level of compressed air release
- Reduces pollution by eliminating solid particles and oil aerosols

SPECIFICATION

FLUID	: Compressed air
CONNECTION	: G 1/2 to G 1 1/4
MAX. PRESSURE	: 16 bar
OPERATING TEMPERATURE	: -5 °C to +50 °C
MAX. DIFFERENTIAL PRESSURE	: 0,5 bar
FILTRATION	: 99,99 % of particles > 0,3 µm
MAX. FLOWRATE	: 1300 to 3300 l/min (ANR) ⁽¹⁾
NOISE REDUCTION	: > 40 dB (A) ⁽²⁾
PRESSURE DROP	: See characteristic curve

RECOMMENDATION

- Assemble in vertical position (slope: 15° max.).
- Load loss due to clogging of cartridge must not exceed 0,5 bar, in which case replace cartridge.
- Insert cartridge manually to avoid any damage to it during replacement.

CONSTRUCTION

Condensates are automatically drained once they exceed a given level.

The drain may however be activated manually by turning the knurled switch (1/4 turn).

- Aluminium housing and polypropylene (PP) bowl.
- Filter element: fibrous texture bonded by a plastic resin.
- Sealed by a rubber gasket.

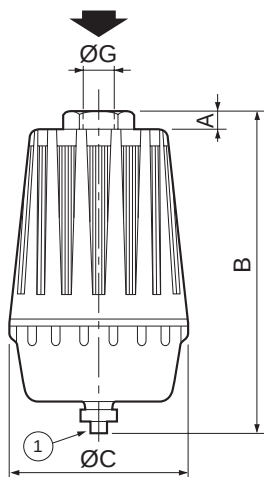
CHOICE OF EQUIPMENT

pipe size	max. flowrate l/min (ANR) ⁽¹⁾	catalogue number
G 1/2	1300	34600213
G 3/4	1600	34600214
G 1	2900	34600215
G 1 1/4	3300	34600216

(1) Flow at Normal Atmospheric reference Pressure to ISO R554-558 standards

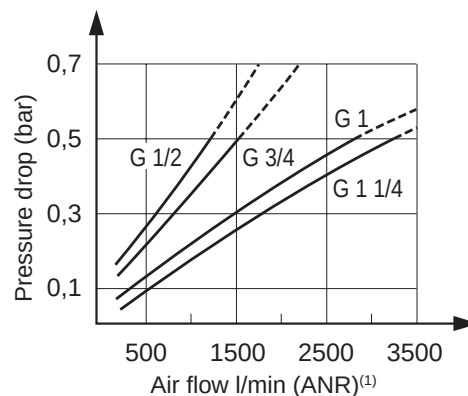
(2) Tested with an input pressure of 5 bar, an air flow of 2000 l/min (ANR)⁽¹⁾ with a distance of 1 meter

DIMENSIONS (mm), WEIGHT (kg)



Ø G	A	B	C	(kg)
G 1/2	12	180	90	0,600
G 3/4	12	180	90	0,560
G 1	15	250	110	1,070
G 1 1/4	30	270	110	1,120

① Drain



EXHAUST COALESCING FILTER AND SILENCER

G1/2 to G1 1/4

 Series
H30 - H40

PRESENTATION

- 99% oil removal efficiencies
- 25 dBA noise reduction
- High exhaust flow rates
- low differential back pressures
- top performer in automated paint systems
- 1 μ m filtration
- Manual or continuous drain option

UTILISATION

The Numatics Reclassifier is an exhaust coalescing filter/silencer. Its design removes oil mist and reduces noise from exhaust ports on pneumatic air valves, cylinders, and air control systems at extremely high flow rates.

The Numatics Reclassifier can be mounted to exhaust ports on any valve or manifold using a common exhaust base or by combining exhaust ports. Mounting it vertically fully utilizes the oil-catching sump surrounding the filter element and provides easy draining.

SPECIFICATIONS

FLUID	: Compressed air or neutral gas
PORTS	: G 1/2 à G1 1/4
MAX. PRESSURE	: 7 bar
MAX. TEMPERATURE	: +50 °C
FILTRATION	: 99 % oil removal
MAX. FLOW	: 6550 to 10900 l/min (ANR)
NOISE REDUCTION	: > 25 dB (A)
PRESSURE DROP	: See characteristic curve

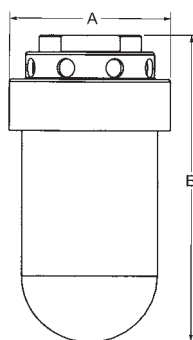


CHOICE OF EQUIPEMENT

pipe size	max. flowrate l/min (ANR)	catalogue number
G 1/2 G 3/4	6550	H30G04 H30G06
G 1 G 1 1/4	10900	H40G08 H40G10

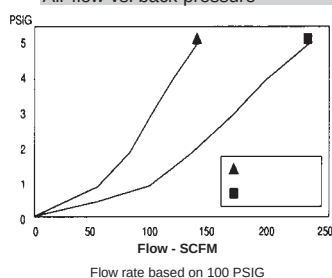
DIMENSIONS (mm)

Ø G	A	B
G1/2	64,0	178,0
G3/4	64,0	178,0
G1	95,0	203,0
G1 1/4	95,0	203,0

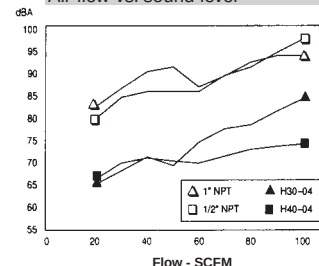


AIR FLOW VERSUS BACK PRESSURE AND NOISE REDUCTION

Air flow vs. back pressure



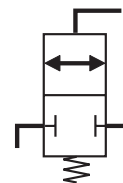
Air flow vs. sound level



ORIENTABLE CYLINDER BLOCKING FITTING

port size G1/8 to G1/2
air-operated

Series

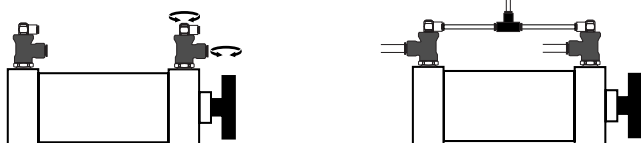


FEATURES

- Air-operated, monostable, normally-closed 2/2 valve
- Blocking fittings can be used to interrupt the circulation of compressed air
- **When installed in pairs**, they ensure that the cylinder stops as soon as pilot pressure is lost
- They can be used to lock the load in the event of loss of the pressure supply or to set a cylinder to intermediate stable positions

INSTALLATION

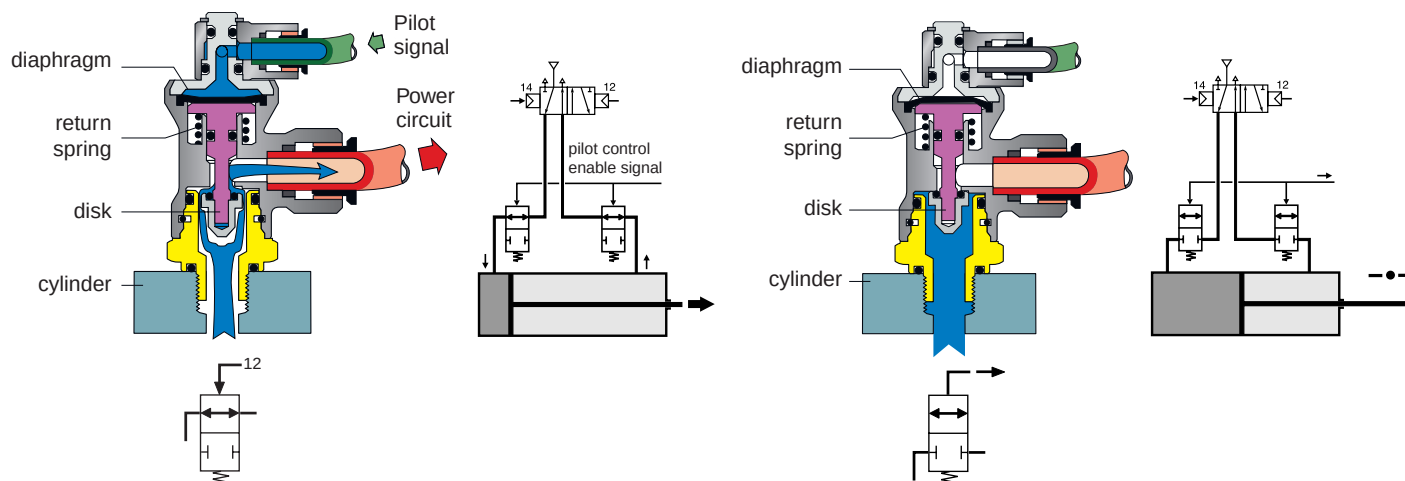
- Directly fitted to cylinder ports for compact installation
- Fully orientable on all ports to adapt to any pneumatic connection configuration



OPERATING PRINCIPLE

Cylinder in movement (pilot pressure applied)

Cylinder locked (no pilot pressure)

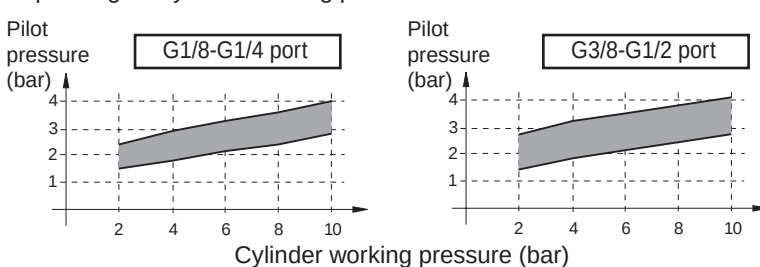


CONSTRUCTION

MEDIUM	: Lubricated or unlubricated filtered neutral gas or air
OPERATING PRESSURE	: 10 bar max.
PILOT PRESSURE	: 1.5 to 4 bar
TEMPERATURE	: -20°C to +70°C
FLOW (Qv at 6 bar)	: see table below
LEAK RATE	: <0.2 l/h
BODY	: treated brass
DIAPHRAGM AND SEALS	: Nitrile (NBR)

Piloting on/off thresholds

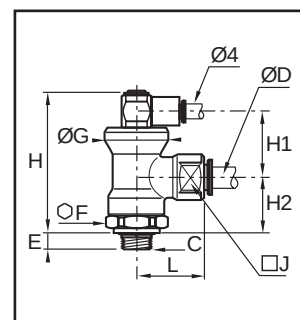
depending on cylinder working pressure

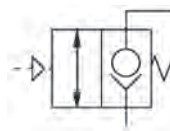


SPECIFICATIONS - DIMENSIONS

Port size	Coupler size	Flow at 6 bar l/min (ANR)	catalogue number	Dimensions								Weight (kg)
ØC	ØD			E	F	G	H	H1	H2	J	L	
G1/8	6	650	34602448	5,5	21	24	53	24,5	21	17	28	0,127
G1/4	8	650	34602450	6,5	21	24	53	24,5	21	17	28	0,124
G3/8	8	650	34602451	7,5	21	24	53	24,5	21	17	28	0,128
G3/8	10	1600	34602452	7,5	24	28	56	25	25	27	35	0,214
G1/2	12	1600	34602453	9	24	28	56	25	25	27	37,5	0,221

Port connection pushing fittings and power at pilot ports





GENERAL INFORMATION

- Pilot Operated Check Valves for Cylinder
- Mounting for pneumatic use

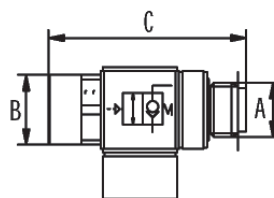
SPECIFICATION

INTERNAL TURNED PARTS	: Brass
EXTERNAL TURNED PARTS	: Zink plated brass
PLATING	: Galvanic zink
SPRINGS	: Stainless steel
STAMPED PARTS	: Stainless steel
PLASTIC PARTS	: PA
SEALING ELEMENTS	: NBR
SUITABLE FLUIDS	: Compressed air, lubricated or not lubricated
OPERATING PRESSURE	: 1 to 10 bar
TEMPERATURE RANGE	: -10 to +70 °C



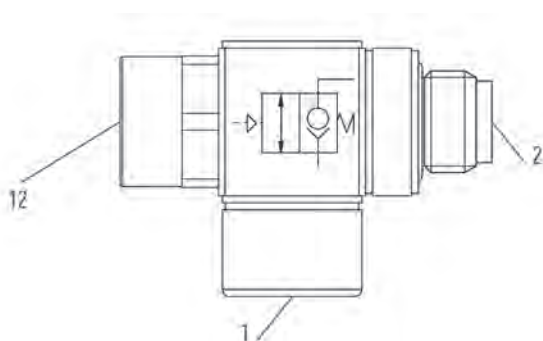
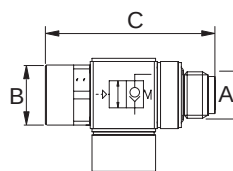
NCPPG Pilot Operated Check Valve, Push-In Fitting

catalogue number	Thread A G	B SW	C mm	Max. tight- ening torque Nm	Pilot port thread	E Ø mm
NCPPG-004-000	1/8"	13	41	10	M5	4
NCPPG-006-000	1/8"	13	41	10	M5	6
NCPPG-008-000	1/8"	13	41	10	M5	8
NCPPG-006-001	1/4"	17	48	12	M5	6
NCPPG-008-001	1/4"	17	48	12	M5	8
NCPPG-010-001	1/4"	17	48	12	M5	10
NCPPG-008-002	3/8"	22	55	20	M5	8
NCPPG-010-002	3/8"	22	55	20	M5	10

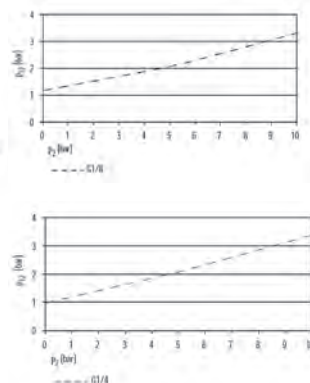


NCPGG Pilot Operated Check Valve, Thread (fem.)

catalogue number	Thread A G	B SW	C mm	Max. tight- ening torque Nm	Pilot port thread	D
NCPGG-000-000	1/8"	13	41	10	M5	1/8"
NCPGG-001-001	1/4"	17	48	12	M5	1/4"
NCPGG-002-002	3/8"	22	55	20	M5	3/8"
NCPGG-003-003	1/2"	27	65.5	30	M5	1/2"

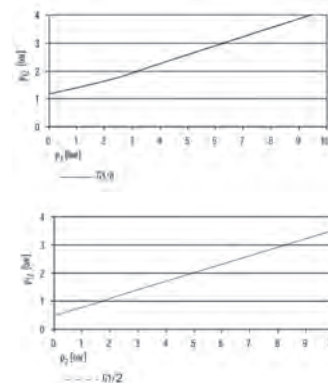


Signal pressure characteristics min. signal pressure p_{12} to open the valve $p_1 = 7$ bar



Flow from 2 to 1 (SLPM)

$p_1 = 5$ bar	$p_2 = 6$ bar	$p_{12} = 6$ bar	
G1/8	G1/4	G3/8	G1/2
289	676	1156	1910



Flow from 1 to 2 (SLPM)

$p_1 = 5$ bar	$p_2 = 6$ bar	$p_{12} = 0$ bar	
G1/8	G1/4	G3/8	G1/2
128	617	1168	1888

FEATURES

- The Quick Exhaust Valves SEV C increases the working speed of pneumatics cylinders. It must be mounted directly on the port of the cylinder to achieve the maximum possible speed.

SPECIFICATION

FLUID	: Filtered air with or without lubrication
PRESSURE RANGE	: 1 - 10 bar
TEMPERATURE RANGE	: -20 °C to +70°C
MOUNTING	: Preferably directly on the port of the cylinder
MATERIALS	: Body: Nickel plated brass
SEALS	: Diaphragm: Polyurethane, optionally VITON
WASHER	: NBR

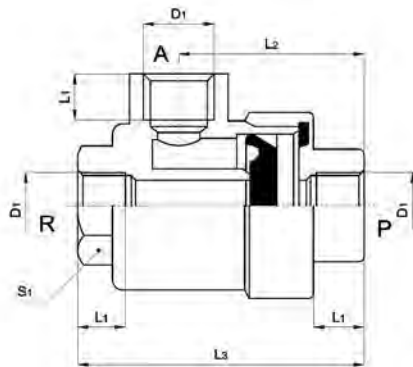


thread D1 (G)	diaphragm material *	L1 (mm)	L2 (mm)	L3 (mm)	S1 (mm)	catalogue number
1/8	PU	7,5	27	42	15	SEV10C
1/4	PU	11	35	54	19	SEV25C
3/8	PU	11	35	54	19	SEV37C
1/2	PU	14	45	72	26	SEV50C
3/4	PU	16,3	53	87	32	SEV75C
1	PU	18	70	108	46	SEV100C

* Viton® on request

(Viton® is a registered trademark of Dupont Performance Elastomers)

DIMENSIONS (mm)

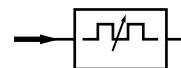




ELECTRONIC TIMER

adjustable pulse generator
suitable for solenoid valves

Series
881

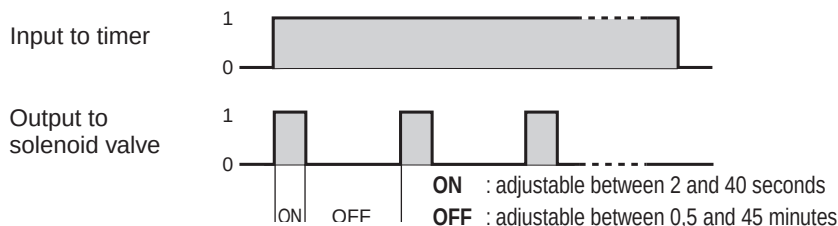


FEATURES

- This electronic timer, which generates adjustable pulses, is particularly suited for automatic control of draining of an air dryer or compressor. Indeed, when energised, it can initiate operation of the solenoid valve for the time necessary for draining condensates at regular adjustable intervals
- Other applications include irrigation, air blasting etc.
- Fits directly to any solenoid valve with standardised ISO 4400 / DIN connection, between coil and power connector

GENERAL / OPERATION

Converts a continuous power input into a succession of on-periods (ON), adjustable between 2 to 40 seconds and off-periods (OFF), adjustable between 0,5 to 45 minutes.



CONSTRUCTION

Housing (1)

Electrical connection

PA (polyamide)

2 pins + earth to ISO 4400 for use with a connector to ISO 4400/EN 175301-803, form A (connector not supplied)

Agreement

CSA

ELECTRICAL CHARACTERISTICS

Standard voltages 24 V to 240 V DC or AC (50/60 Hz)

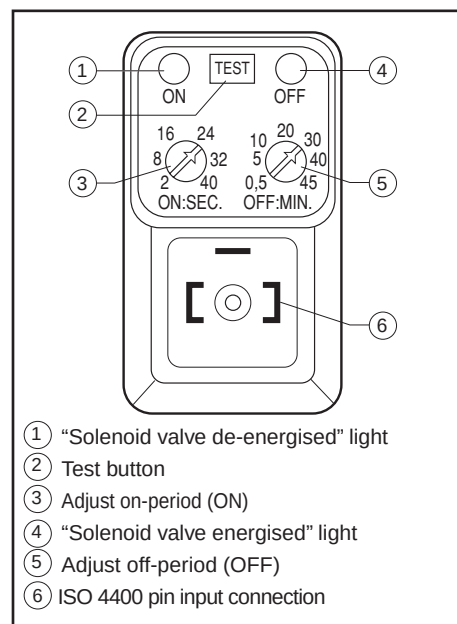
Max. inrush current 10 A during 10 ms

Consumption 4 mA max.

Repeatability $\pm 0,1\%$

Scale accuracy $\pm 10\%$

electrical connection	max. power (I max. = 1A)	ambient temperature range	protection degree
ISO 4400	24 VA (with 24 V) to 240 VA (with 240 V)	-10°C to +50°C	IP65



SPECIFICATIONS

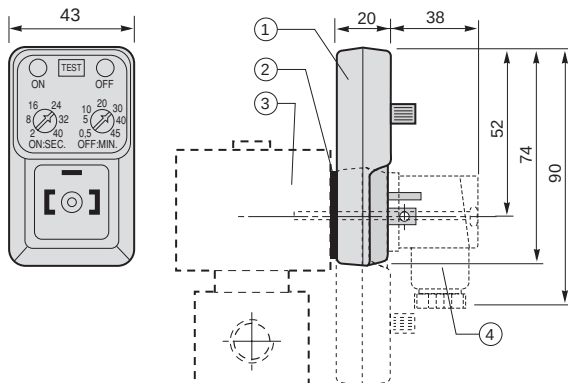
description	catalogue number
Electronic timer with auxiliary manual control for solenoid valve with ISO 4400 pin coil	88122627

(1) The pin arrangement of the timer enables rotation by increments of 180°C in relation to the solenoid valve to which it is connected.

INSTALLATION

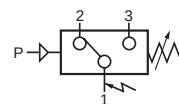
- If the width of the solenoid valve permits, the timer can be rotated about the connection axis by 180° increments
- Take care to fit properly the coil/timer seal and the connector seal
- Observe maximum power rating
- ISO 4400/EN 175301-803, form A, connection

DIMENSIONS (mm), WEIGHT (kg)



- ① Timer rotatable by 180° increments
- ② Seal
- ③ Solenoid valve with ISO 4400 standardised pin coil
- ④ Connector rotatable by 90° increments (not supplied)

Weight: 0,054 (without connector)



GENERAL

PROTECTION

AND STATUS INDICATORS

	WITHOUT	WITH
FLUID	: Air or neutral gas, filtered, lubricated or dry	
PRESSURE SETTING	: 0,5 to 10 bar (0,2 - 6 bar on request)	
HYSTERESIS	: 0,4 bar at the beginning of adjustment range 1 bar at the end of adjustment range	

MAX. PRESSURE (PMA)	: 10 bar or 16 bar	
OPERATING TEMPERATURE	: -10°C; +60°C	: 0°C, +60°C
MAX. VOLTAGE	: 250 V - AC/DC	: 24 V DC
CURRENT BREAKING CAPACITY	: 5 A - 250 V resistive	: 2 A - 24 V DC resistive
PROTECTION DEGREE	: IP65	
MOUNTING POSITIONS	: all positions	
MAX. SPEED	: 60 cycles per minute	

CONSTRUCTION

Bodies: PC (polycarbonate) / aluminium for 16 bar version

Nitrile (NBR) seals

Commutator (reversing switch) • at rest : contact 1 - 2 made
• at work : contact 1 - 3 made

Mechanical service life: 5.10⁶ contacts

Pressure set by set screw and lock-nut

SPECIFICATIONS

Type	Designation	Pressure setting (bar)	catalogue number	
			Without protection	With protection
	Adjustable pressure switch with side pneumatic connection, tapped G1/4	0,2 - 6	34900015	-
		0,5 - 10	34900018	34900019
		0,5 - 16	34900021	-
	Adjustable pressure switch with subbase mounted pneumatic connection (version adaptable on FRL)	0,5 - 10	34900030	34900031

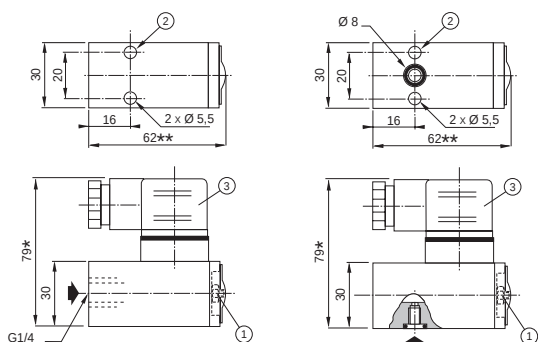
DIMENSIONS AND WEIGHT

Weight: 110 g

Version **without** protection and status indicators

Tapped

subbase mounted

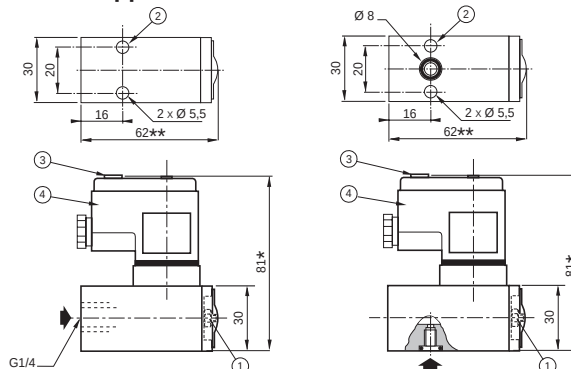


- ① Pressure set screw (spanner for hexagon nuts: 3 mm)
- ② 2 holes Ø 5,5 for mounting
- ③ ISO4400 size 30 connector, 4 terminals, rotatable by 90°
- * +15 mm for connector clearance
- ** +2 mm for 0,5 - 16 bar version

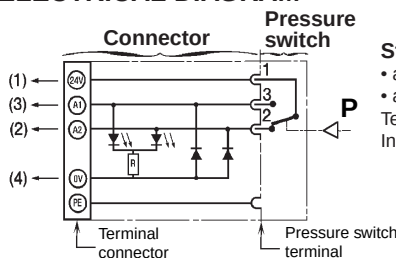
Version **with** protection and status indicators

Tapped

subbase mounted



ELECTRICAL DIAGRAM



- ① Pressure set screw (spanner for hexagon nuts: 3 mm)
- ② 2 holes Ø 5,5 for mounting
- ③ Identification label holder

Status indicated by two diodes :

- at rest : contact 1-2 made: orange diode lights
- at work : contact 1-3 made: red diode lights

Terminal connection for 1,5 mm² wire
Integrated interference blanking

- ④ ISO 4400 size 30 connector, 4 terminals (not rotatable)
- * +15 mm for connector clearance
- ** +2 mm for 0,5 - 16 bar version

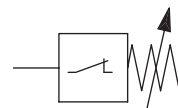
All leaflets are available on: www.asco.com

Coils & Accessories - 17

DIAPHRAGM PRESSURE SWITCHES

G1/8 - G1/4 external threaded body

Series
349



GENERAL

Fluid	Air or neutral gas, filtered, lubricated or dry
Maximum allowable pressure (MAP)	16 bar
Control range	0 - 10 bar
Fluid temperature	-10°C to +60°C
Max. speed	60 cycles per minute
Hysteresis	0,2 bar at the beginning of control range
Mechanical service life	10 ⁶ contacts
Mounting positions	All positions

CONSTRUCTION

Body	Steel
Seals	FPM (fluoroelastomer)
Pressure set	By set screw

ELECTRICAL CHARACTERISTICS

Max. switched voltage	48 V DC
Max. switched current	0,5 A
Electric contact	Plated silver

SPECIFICATIONS

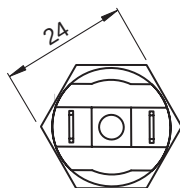
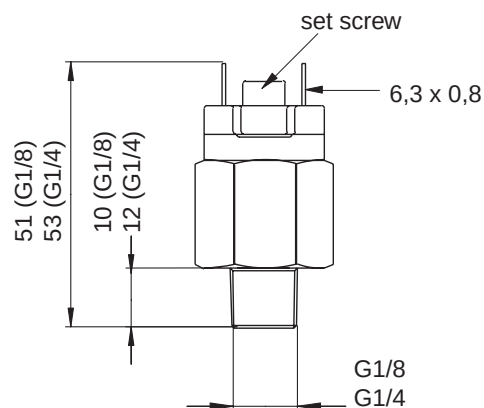
designation		control range (bar)	maximum allowable pressure (MAP) (bar)	catalogue number
Diaphragm pressure switch, NC, adjustable, pneumatic connection	G 1/8	1 - 10	16	34900048
	G 1/4			34900049

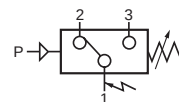


DIMENSIONS (mm), WEIGHT (kg)



weight
0,065





GENERAL

FLUID	: air or neutral gas, filtered, not lubricated, free of condensate
CONNECTION	: G1/8
PRESSURE RANGE	: 0 to 10 bar
MAX. OVERPRESSURE	: 15 bar
OPERATING TEMPERATURE	: 0°C, +50°C (storage: -20°C, +60°C)
ELECTRICAL CONNECTION	: 4-pin M8 connector
SUPPLY VOLTAGE	: 12 to 24 volts, max. ripple 10%, reverse voltage protection
CONSUMPTION	: < 55mA
VOLTAGE SPIKE	: 350 V Peak, 1μs
ACCURACY	: +/- 200 mbar (2% of full range)
DIGITAL DISPLAY	: 3-digit - 7 segments - display frequency : 5 Hz
UNITS OF MEASURE	: bar - psi - MPa - kgf/cm ²
OUTPUTS	: 2 PNP outputs selectable NO or NC, max. load current 80 mA, 30 V, with overcurrent protection, status indication by LED

2 OUTPUT MODES

RESPONSE TIME	: < 2,5 ms - 24 ms - 192 ms - 768 ms
PROTECTION DEGREE	: IP65
VIBRATION RESISTANCE	: 10 to 55 Hz, 1.5 mm, XYZ, 2 hours
SHOCK RESISTANCE	: 980 m/s ² (100G), XYZ

CHARACTERISTICS

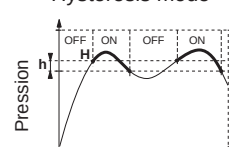
Recording of peak value and bottom value
Lockout feature

CONSTRUCTION

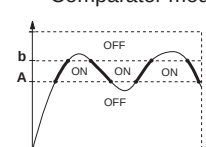
Polycarbonate body (PC)
NBR (nitrile) sealings


OPERATING

Hysteresis mode

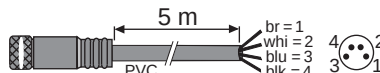

H = Switch point
h = hysteresis

Comparator mode


b = upper threshold
A = lower threshold

SPECIFICATIONS

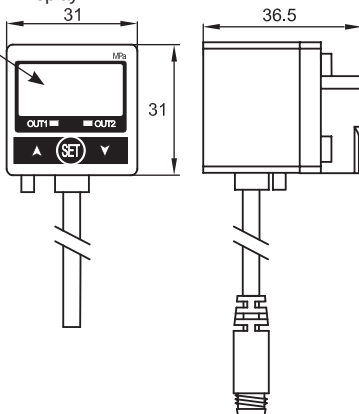
description	catalogue number
electronic pressure switch with digital display adjustable from 0 to 10 bar, pneumatic connection G1/8 (delivered with 2 brackets, 1 plug G1/8)	34900050
panel mounting kit for electronic pressure switch	88100967
straight female connector Ø M8, 4 wires, IP65, with 5 m PVC lead (other end plain)	88157771



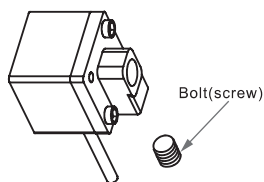
DIMENSIONS AND WEIGHT

Weight: 105 g

3 1/2" digit LED Display



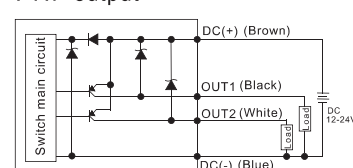
2 inlet pressure ports G1/8



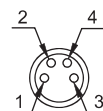
ELECTRICAL DIAGRAM

Pressure switch User connection

PNP output

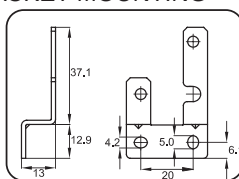


ELECTRICAL CONNECTION

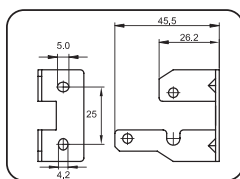

1 = brown (V +)
2 = white (output 2)
3 = blue (V -)
4 = black (output 1)

ACCESSORIES

BRACKET MOUNTING

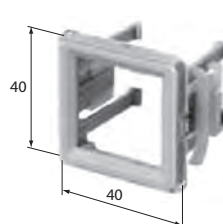


Bracket for vertical mounting

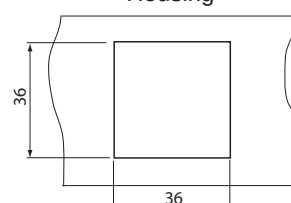


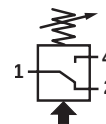
Bracket for horizontal mounting

PANEL MOUNTING KIT



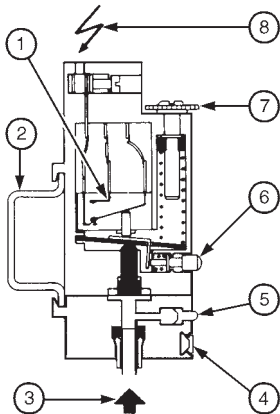
Housing





FEATURES

- This interface will change a pneumatic signal into an electrical signal.
- Equipment can be fitted on standard symmetrical rail



- ① Standard microswitch 5A/230 V
- ② Symmetrical rail EN 50022
- ③ Pneumatic signal
- ④ Marking tag
- ⑤ Visual indication of pneumatic input
- ⑥ Manual override
- ⑦ Adjustment of switching pressure 1 to 8 bar
- ⑧ Electrical signal : - common
- normal closed contact
- normal open contact



GENERAL

Switching pressure

Hysteresis

Switching capability

Ambient temperature

Electrical connections

Maximum wire size

Adjustable from 1 to 8 bar

15% at 4 bar

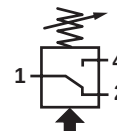
5 A - 230 V (Resistive)

-10°C to +50°C

3 screw terminals (IP20)

0,75 mm²

CONNECTIONS



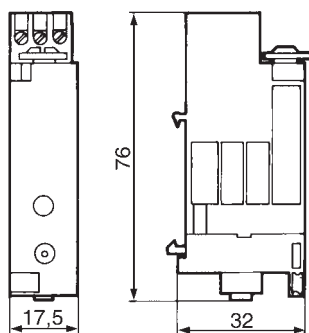
CHOICE OF EQUIPMENT

designation	code
pneumatic, electric interface with manual override	30400009
50 blank marking tags	33400042

DIMENSIONS (mm), WEIGHT (kg)



weight
0,048

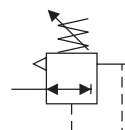


**PRESSURE REGULATOR
PRESSURE GAUGE
FLOWRATE REDUCING-VALVE**

Series
342-343-346
Type
MICRO 10

PRESSURE REGULATOR

- Board-mounting available (drilling 12,2 mm dia.)
- Control range 0,5 to 8 bar
- Body with two optional ØM5 side-outlets



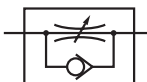
PRESSURE GAUGE

Back coupling R1/8



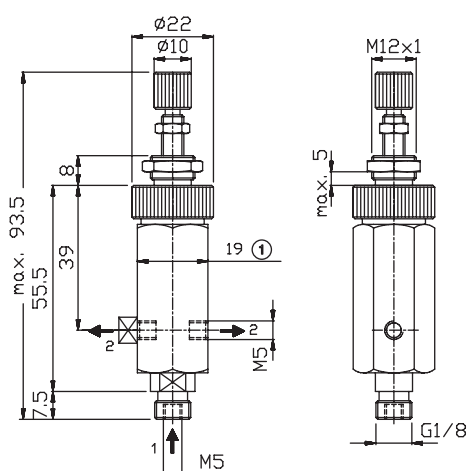
FLOWRATE REDUCING-VALVE

- In line, fitted ØM3
- Flowrate reducing-valve orientable, directly adjustable on cylinder, ØM3



Description		Connection	Control range (bar)	Flow (l/min - ANR)	Allowable temperature	Materials	CODES
Pressure regulator		Input: female M5 or male G 1/8 Output: female 2 x M5	0,5 - 8 ($p_{\max}$ =16)	120 (with p_1 =8 bar p_2 =6 bar)	0°C, + 60°C	Body: Al + Brass Internals parts: Brass + Steel Seal: NBR (nitrile)	34201802
Pressure gauge Ø 40		R 1/8	0 - 10	—	-20°C, + 80°C	Body Black polyester	34300014
Reducing-valve for pressure gauge		G 1/8-M5	—	—	—	Nickeled brass	34600372
Flowrate reducing- valve	in line	M3	0 - 8	30	+ 5°C, + 50°C	Body: Nickeled brass Rod: Nickeled brass	34600320

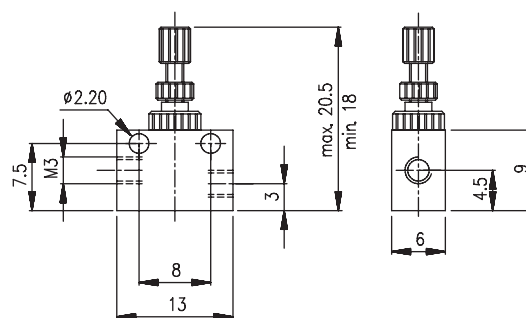
PRESSURE REGULATOR
Ø M5-G1/8



- Delivered with 1 screw-plug, M5 dia.
- Weight: 90 g
- (1): Dimensions on flats

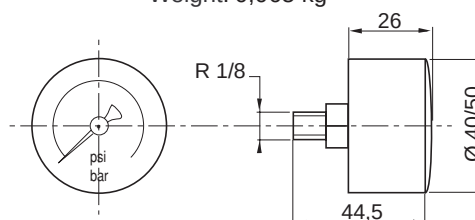
**FLOWRATE REDUCING-VALVE Ø M3
IN LINE**

Weight: 10 g



PRESSURE GAUGE

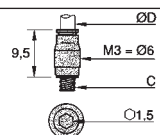
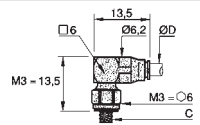
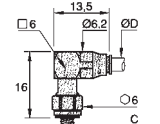
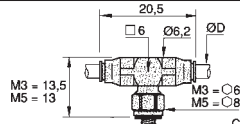
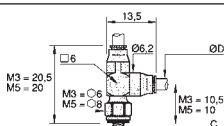
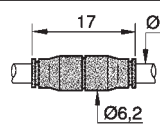
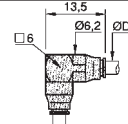
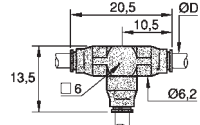
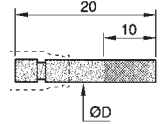
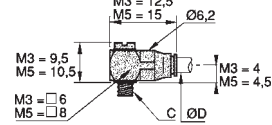
Weight: 0,065 kg





COUPLING CONNECTORS

Material: Nickered brass

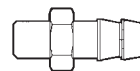
Designation	Dimensions	Connector		CODES (by sets of 10 parts)
		Mounting ØC (mm)	Tube (out.Ø) ØD (mm)	
Straight male tapping		M3	3	34600354
Compact square with male tapping		M3	3	34600356
Raised square with male tapping		M3	3	34600358
Tee with centered male tapping		M3	3	34600359
		M5	3	34600360
Tee with end male tapping		M3	3	34600361
Equal double union		—	3	34600363
Equal square		—	3	34600364
Equal tee		—	3	34600365
Snap-in plug		—	3	34600367*
Simple banjo connector		M3	3	34600368

* by set of 50 pieces

THREADED AND HOSE-CONNECTORS

for flexible tubes 2 and 3 mm inner dia.

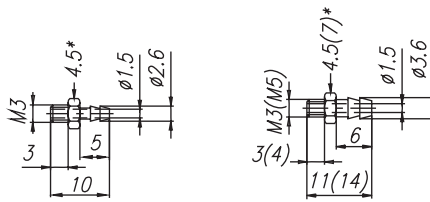
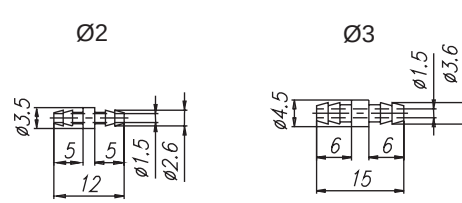
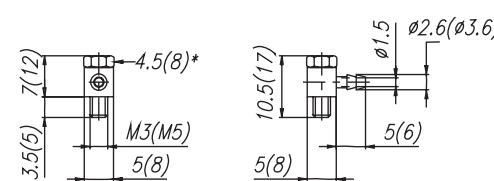
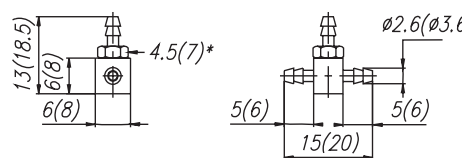
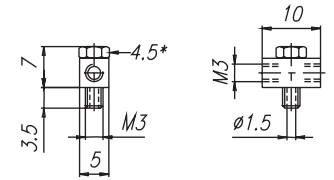
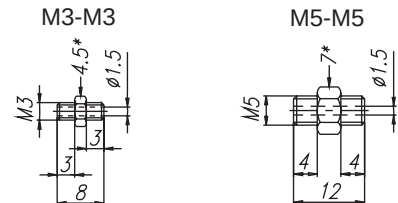
Threaded Ø M3 - Ø M5



Series
346
Type
MICRO 10

THREADED AND HOSE-CONNECTORS

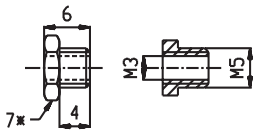
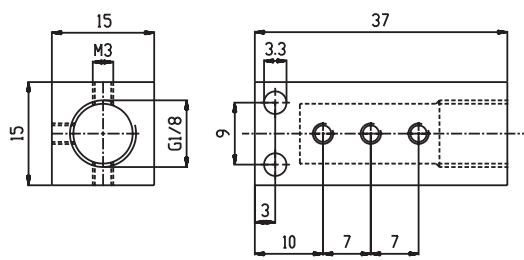
Material: Nickered brass

Designation	Dimensions	Connector		CODES (by sets of 10 parts)
		Mounting (mm)	Tube (out.Ø) ØD (mm)	
Straight male tapping	 () : dimensions for M5 x 3 version (346 00 237)	M3	2	34600235
		M3	3	34600236
		M5	3	34600237
Equal double union		—	2	34600238
		—	3	34600239
Square with centered male tapping	 () : dimensions for M5 x 3 version (346 00 241)	M3	2	34600240
		M5	3	34600241
Equal tee	 () : dimensions for tube Ø3 (346 00 243)	—	2	34600242
		—	3	34600243
Female tee with centered male tapping		M3	—	34600244
Equal double male fitting		M3-M3	—	34600245
		M5-M5	—	34600246

* sizes across flats

THREADED CONNECTORS

Material: Nickel brass

Designation	Dimensions	Connection	CODES (by 10 parts packages)
Adapter male M5 - female M3		M3-M5	34600247
Hexagon male plugs		M3	34600248
		M5	34600249
Plastic washer		M3	34600250
		M5	34600251
Distributing connector (9 or 12 ports)		G1/8 + 9 Ø M3	34600252**
		G1/8 + 12 Ø M3	34600253**

* sizes across the flats

** Supplied per unit



CONNECTORS

EN 175301-803, industry standard form B (11 mm)
ISO 4400 / EN 175301-803, form A (18 mm)
sizes 22 and 30

Series
881

FEATURES

- Spade connector sizes 22 and 30 to fit standardised three-pin moulded coils:
 - size 22, EN 175301-803, industry standard form B (11 mm), for coil types CM5, CM22, C22A, EMX and BMX
 - size 30, ISO 4400 / EN 175301-803 form A (18 mm), for coil types CM6, CMXX, CM12, CM25, C25A, CM30, CM40, ANX, AMX, JMX, FNX and FMX
- The connectors are available in three versions: standard rotatable version with or without integrated visual LED indicator and electrical protection, or version with non-rotatable 3-core moulded-in cable, 2 m long
- The standard connector size 30 is provided with a removable lid allowing access to the wiring for easy checking of power supply without unplugging the connector and without interrupting operation of the solenoid valve

GENERAL

Connector specification

size 22 (11 mm)

size 30 (18 mm)

Max. operating temperature

EN 175301-803 industry standard form B

ISO 4400 / EN 175301-803, form A

-40°C to +80°C (-40°C to +125°C ⁽¹⁾ with silicone seal)
[version with moulded-in cable -5°C to +70°C]

CONSTRUCTION

Standard version

Enclosure with LED and protection

Enclosure with PVC cable

Seals

PA (polyamide), glass-fibre reinforced

PA

PA (polyamide), glass-fibre reinforced

NBR [option for size 30: VMQ (silicone)]

ELECTRICAL CHARACTERISTICS

Number of contacts

Distance between contacts

Contact resistance

Connector

Electrical safety

Electrical enclosure protection

Number of wires (with cable)

Size 22

2 + common earth

11 mm

≤ 4 m Ω

Spade plug

IEC 335

IP65 (EN 60529)

3

Size 30

2 + common earth

18 mm

≤ 4 m Ω

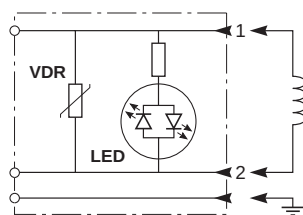
Spade plug

IEC 335

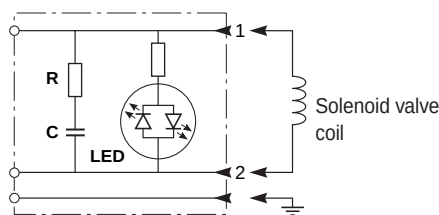
IP65 (EN 60529)

3

LED indicator and electrical protection diagrams



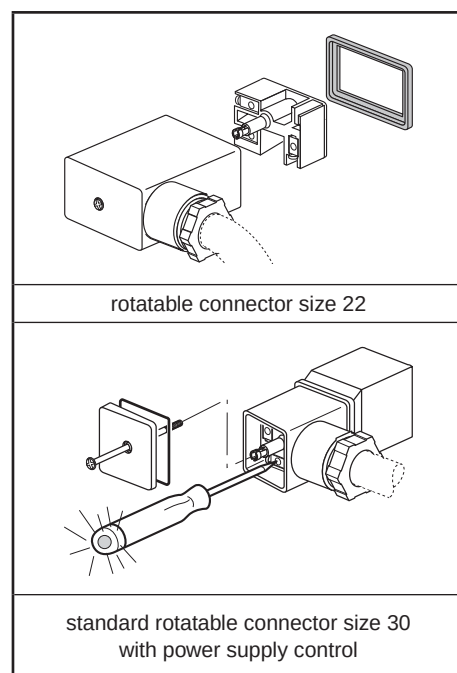
connector size 22



connector size 30



CE



rotatable connector size 22

standard rotatable connector size 30
with power supply control

VDR Varistor absorbing the self-inductance of the coil.
RC RC circuit absorbing the self-inductance of the coil.
LED Green light-emitting diode, bidirectional, signalling the presence of voltage across the coil terminals.

SPECIFICATIONS

description	cable length	cable O.D.		wire cross-section	max. voltage	type	catalogue number		
		size 22	size 30	(mm²)	(V)		size 22 NBR	size 30 NBR	VMQ ⁽¹⁾
Rotatable connector									
standard, without LED indicator	-	6-8 mm	6-10 mm	1,5	250	01-02	88122404	88122602	88122625
with integrated LED indicator and electrical protection	-	6-8 mm	8-10 mm	1,5	12	01-02	-	88122611	-
					24		88122405	88122603	-
					48		88122406	88122604	-
					115		88122407	88122605	-
					230		88122410	88122608	-
Non-rotatable connector with cable									
without LED indicator	2 m	-		1,5	250	03-04	88122413	88122612	-

⁽¹⁾ For use within class H temperature limits.

INSTALLATION

- The connectors can be mounted in any position without affecting operation

ORDERING EXAMPLES:

88122404
88122602

basic number _____

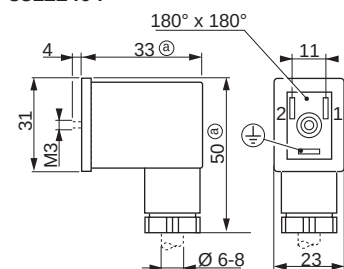
DIMENSIONS (mm), WEIGHT (kg)



TYPE 01

Size 22 (11 mm)
EN 175301-803 industry standard form B
IP65

88122404



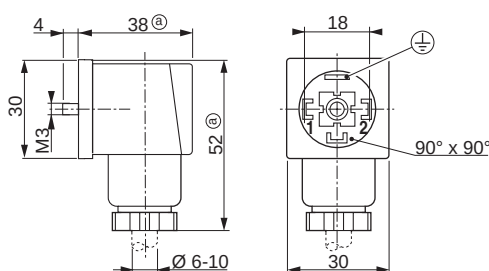
(a) Max. dimension.



TYPE 02

Size 30 (18 mm)
ISO 4400 / EN 175301-803, form A
IP65

88122602/625



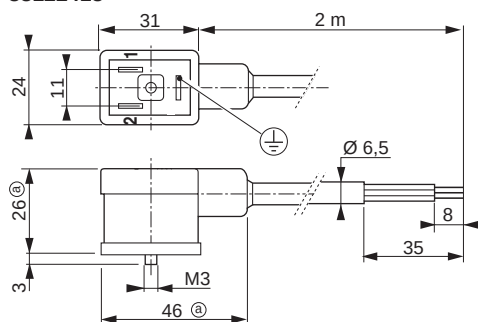
(a) Max. dimension.



TYPE 03

Size 22, flying leads (11 mm)
EN 175301-803 industry standard form B
IP65
(non-rotatable terminal holder)

88122413



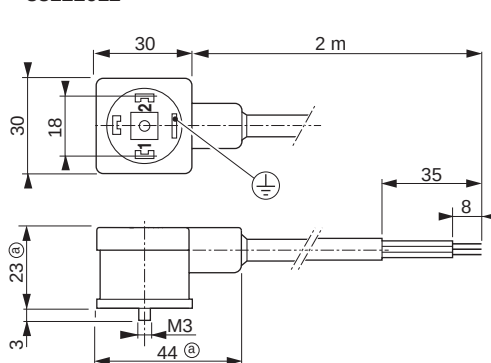
(a) Max. dimension.



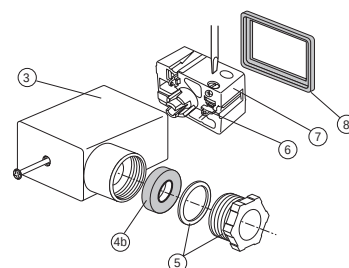
TYPE 04

Size 30, flying leads (18 mm)
ISO 4400 / EN 175301-803, form A
IP65
(non-rotatable terminal holder)

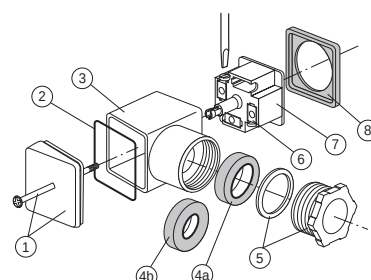
88122612



88122404/405/406/407/410



88122602/625



- Fastening screw / cover
- Cover seal
- Enclosure

- 88122602/625:
2 seals
for cable dia. 8 to 10 mm (4a)
or cable dia. 6 to 8 mm (4b)
88122611/603/604/605/608:
1 seal for cable dia. 8 to 10 mm (4a)
88122404/405/406/407/410:
1 seal for cable dia. 6 to 8 mm (4b)

- Stuffing box washer and nut
- Cable connection terminal
- Terminal holder
- Connector seal

type	L (m)	weight ⁽¹⁾	
		without LED indicator	with LED indicator
01	-	0,025	0,025
02	-	0,030	0,032
03	2	0,150	-
04	2	0,155	-

⁽¹⁾ Including seals and screws.

sizes 03 and 04	
brown wire	terminal 1 (+)
blue wire	terminal 2 (-)
green/yellow wire	earth

All leaflets are available on: www.ascoco.com

28 - Coils & Accessories



CONNECTORS

EN 175301-803, industry standard form C (9,4 mm)
EN 175301-803, form C (8 mm)
size 15

Series
881

FEATURES

- Spade connector size 15 to fit standardised three-pin moulded coils:
 - EN 175301-803, industry standard form C (9,4 mm), for coil type CM15 (series 202), DMX and series 302, 630, 519, 520, 521 and 578 (MEGA)
 - EN 175301-803, form C (8 mm), for series 302, 630 and 202
- The connectors are available in three versions: standard rotatable version, or version with non-rotatable 3-core moulded-in cable, 2 m or 5 m long, with or without integrated visual LED indicator and electrical protection

GENERAL

Connector specification

size 15, 9,4 mm pin spacing

size 15, 8 mm pin spacing

Max. operating temperature

EN 175301-803, industry standard form C

EN 175301-803, form C

-25°C to +60°C

[version with moulded-in cable -25°C to +60°C]



CONSTRUCTION

Standard version

PA (polyamide), glass-fibre reinforced

Enclosure with LED and protection

PA or PP

Enclosure with PVC cable

PP (polypropylene), glass-fibre reinforced

Seals

NBR

ELECTRICAL CHARACTERISTICS

Number of contacts

Size 15

2 + common earth ⁽¹⁾

Size 15

2 + common earth

Distance between contacts

9,4 mm

8 mm

Contact resistance

≤ 4 m Ω

≤ 4 m Ω

Connector

Spade plug

Spade plug

Electrical safety

IEC 335

IEC 335

Electrical enclosure protection

IP65 (EN 60529)

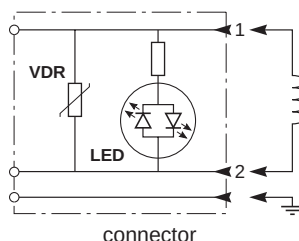
IP65 (EN 60529)

Number of wires (with cable)

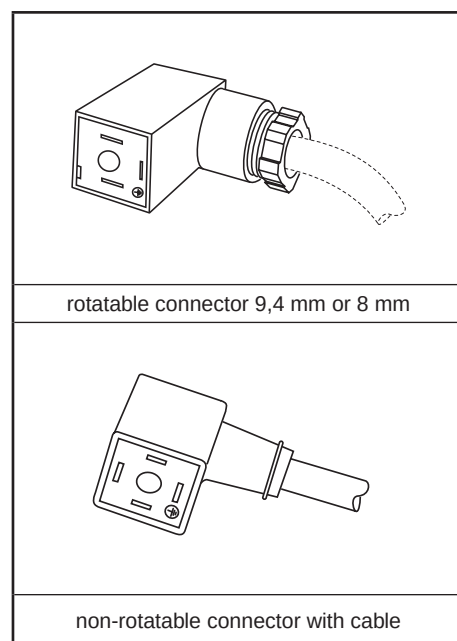
3

3

LED indicator and electrical protection diagrams



VDR Varistor absorbing the self-inductance of the coil.
LED Green light-emitting diode, bidirectional, signalling the presence of voltage across the coil terminals.



rotatable connector 9,4 mm or 8 mm

non-rotatable connector with cable

SPECIFICATIONS

description	cable length	cable O.D.	wire cross-section (mm ²)	max. voltage (V)	type	catalogue number	
						size 15	
						9,4 mm	8 mm
Rotatable connector							
standard, without LED indicator	-	4-6 mm	0,6	250 V	01-02	88143581	88130211
Non-rotatable connector with cable							
without LED indicator	2 m	-	0,6	250 V	03	88143567	⁽²⁾
with integrated LED indicator	2 m	-	0,6	24 V	04	88143580	-
and electrical protection	5 m	-	0,6			88143593	-

⁽¹⁾ Version with 3 pins + earth, see our catalogue Fluid Automation Pneumatic Components, page P575.

⁽²⁾ Contact us

OPTIONS

- Connectors with cable, 5 m long, contact us

INSTALLATION

- The connectors can be mounted in any position without affecting operation

ORDERING EXAMPLES:

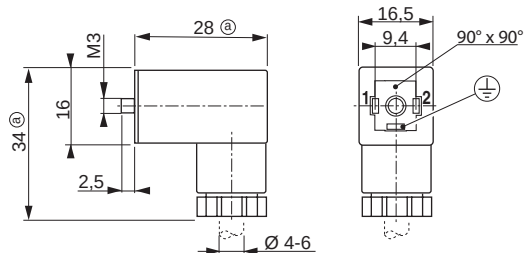
88143581
88130211
basic number _____

DIMENSIONS (mm), WEIGHT (kg)



TYPE 01
Size 15, 9,4 mm
EN 175301-803, industry standard form C
IP65

88143581

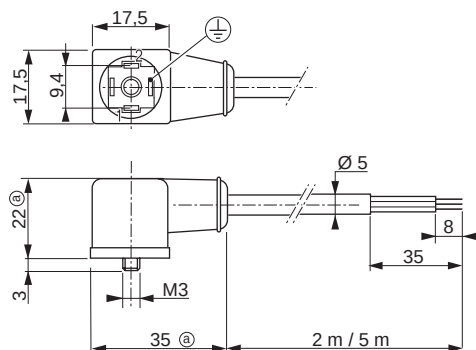


(a) Max. dimension.



TYPE 03
Size 15, flying leads, without LED indicator
EN 175301-803, industry standard form C (9,4 mm)
IP65
(non-rotatable terminal holder)

88143567

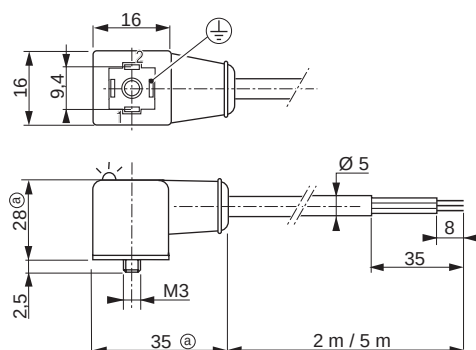


(a) Max. dimension.



TYPE 04
Size 15, flying leads, with LED indicator
EN 175301-803, industry standard form C (9,4 mm)
IP65
(non-rotatable terminal holder)

88143580/593

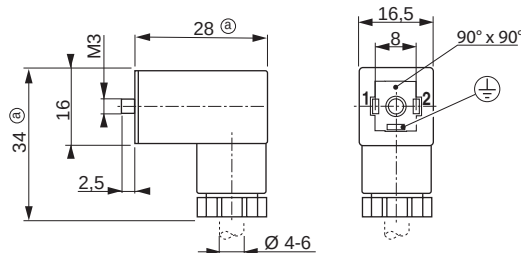


(a) Max. dimension.

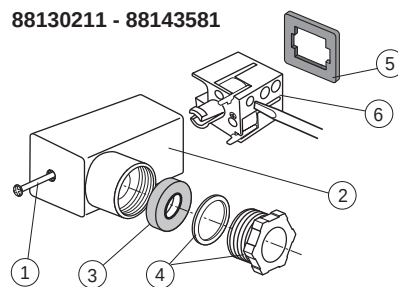


TYPE 02
Size 15, 8 mm
EN 175301-803, form C
IP65

88130211



88130211 - 88143581



- Fastening screw
- Enclosure
- Seal for cable dia. 4 to 6 mm
- Stuffing box washer and nut
- Connector seal
- Terminal holder
- Cable connection terminal

type	L (m)	weight ⁽¹⁾	
		without LED indicator	with LED indicator
01 - 02	-	0,015	-
03	2	0,100	-
04	2	-	0,100
	5	-	0,220

⁽¹⁾ Including seals and screws.

sizes 03 and 04	
brown wire	terminal 1 (+)
blue wire	terminal 2 (-)
green/yellow wire	earth

GENERAL

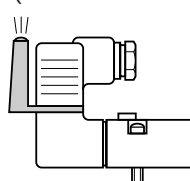
The built-in module of visual indication (LED) and electrical protection can be fitted on any solenoid valve or spool valve equipped with 2 terminals + 1 earth, size 15, among the following :

- Spool valve 5/2 - 5/3 Ø M5 - series 519
- Spool valve 5/2 - 5/3 G 1/8 - series 520
- Spool valve 5/2 - 5/3 G 1/4 - series 521

MOUNTING

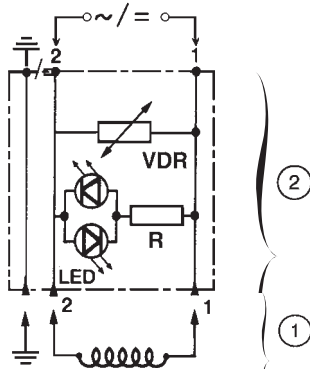


Mounting of the module between the connector and the solenoid valve (rotatable x 180°)



ELECTRICAL CHARACTERISTICS AND SPECIFICATIONS

VOLTAGE	: 24 V DC / 24V-115V-230V AC 50/60 Hz
AMBIENT TEMPERATURE	: -15°C to +50°C (see appropriate limits for each product)
CONNECTION	: on coil terminals, hold position by means of the connector size 15.
NUMBER OF TERMINALS	: 2 terminals + earths (2 earths are symetrical to allow module reversal)
CONSUMPTION	: 0,25 W (24V) - 0,40 W (115V) - 0,75 W (230V)
PROTECTION	: IP65



LED - green luminous diode, bi-directional to check voltage on coil terminals (24V AC/DC, 115V AC, 230 V AC).

VDR - Varistat absorbing back EMF of coil

- ① Coil for mini pilot/solenoid valve/spool valve size 15
- ② Module of visual indication and electrical protection

CONSTRUCTION

Body in glass-filled polyamide (PA + FG)

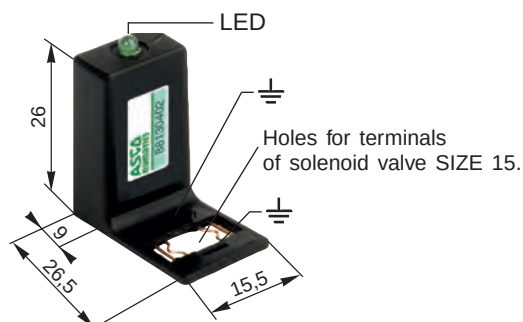
Electronic components encapsulated in compound

RANGE SPECIFICATION

Description		CODES
Module of visual indication (LED) and electrical protection	24V AC/DC	88130401
	115V AC	88130402
	230V AC	88130403

DIMENSIONS AND WEIGHT

Weight : 5 g





CONNECTORS

ISO 4400 / EN 175301-803, form A
size 30

with protection by TRANSIL and LED display

Series
881

FEATURES

- The main advantages of a connector with protection by TRANSIL are:
 - No polarisation
 - Overvoltage suppression
 - Shorter response time
 - Excellent protection of the PLC or control system by indicating loss of automatic control in the event of a fault
 - Label-holder provided for identification
- Spade connector to fit standardised three-pin moulded coils:
 - size 30, ISO 4400 / EN 175301-803 form A, for coil types CM6, CMXX, CM12, CM25, C25A, CM30, CM40, ANX, AMX, JMX, FNX and FMX
- The connectors, which have LED displays, are provided with 2/3/5 m leads and with stripped conductors ends

GENERAL

Connector specification	General purpose	Automobile industry
Max. operating temperature	ISO 4400 / EN 175301-803, form A -5°C to +70°C	ISO 4400 / EN 175301-803, form A -5°C to +70°C

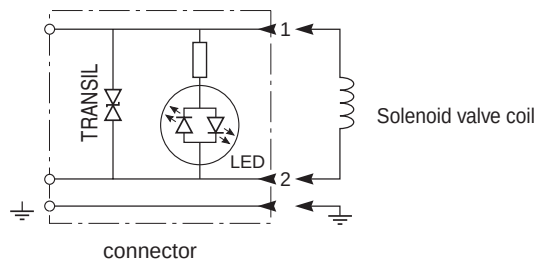
CONSTRUCTION

Boby and cover	PA, glass fibre reinforced	PA, glass fibre reinforced
Cable	PVC	CNOMO E03.40.150.N
Seals	NBR	NBR

ELECTRICAL CHARACTERISTICS

Voltage	115 V AC/DC	24 V AC/DC
Peak voltage	< 246 V	< 49,9 V
Rated current	10 A	10 A
Number of contacts	2 + 2 common earths ⁽¹⁾	2 + 2 common earths ⁽¹⁾
Distance between contacts	18 mm	18 mm
Contact resistance	≤ 4 m Ω	≤ 4 m Ω
Connection	Flying lead	Flying lead
Electrical safety	IEC 335	IEC 335
Electrical enclosure protection	IP65 (EN 60529)	IP65 (EN 60529)
Number of wires (with cable)	3	3

LED indicator and electrical protection diagram



LED Green light-emitting diode, bidirectional, signalling the presence of voltage across the coil terminals.

SPECIFICATIONS

description	cable length	wire cross-section	max. voltage	type	catalogue number
		(mm²)	(V)		
General purpose					
cable with stripped ends	3 m	0,75	115	01	88122618
	5 m				88122619
Automobile industry, CNOMO lead resistant to cutting fluid					
cable with stripped ends	2 m	1	24	02	88122620
	5 m				88122621

⁽¹⁾ The two common earth terminals enable rotation of the connector by 180° increments.



INSTALLATION

- The connectors can be mounted in any position without affecting operation

ORDERING EXAMPLES:

	88122618
	88122620
basic number	_____

DIMENSIONS (mm), WEIGHT (kg)

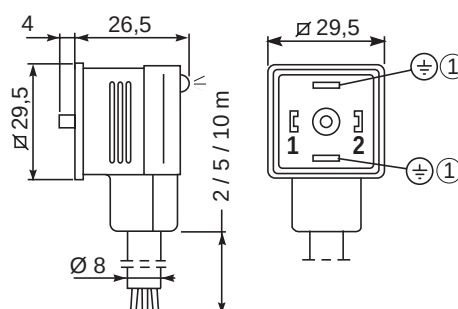
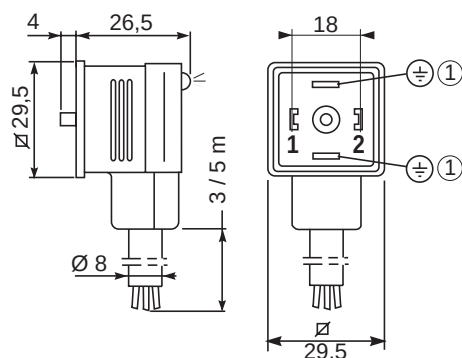


TYPE 01-02

Size 30, flying leads
ISO 4400 / EN 175301-803, form A
IP65

Type 01: **88122618 / 88122619**

Type 02: **88122620 / 88122621**



type 01	
brown wire	terminal 1
blue wire	terminal 2
green/yellow wire	earth

type 02	
black wire	terminal 1
black wire	terminal 2
green/yellow wire	earth

type	L	weight ⁽¹⁾
	(m)	
01	3	0,225
	5	0,375
02	2	0,150
	5	0,375

- ① The 2 common earth terminals enable rotation of the connector by 180° increment.

⁽¹⁾ Including seal and screw.



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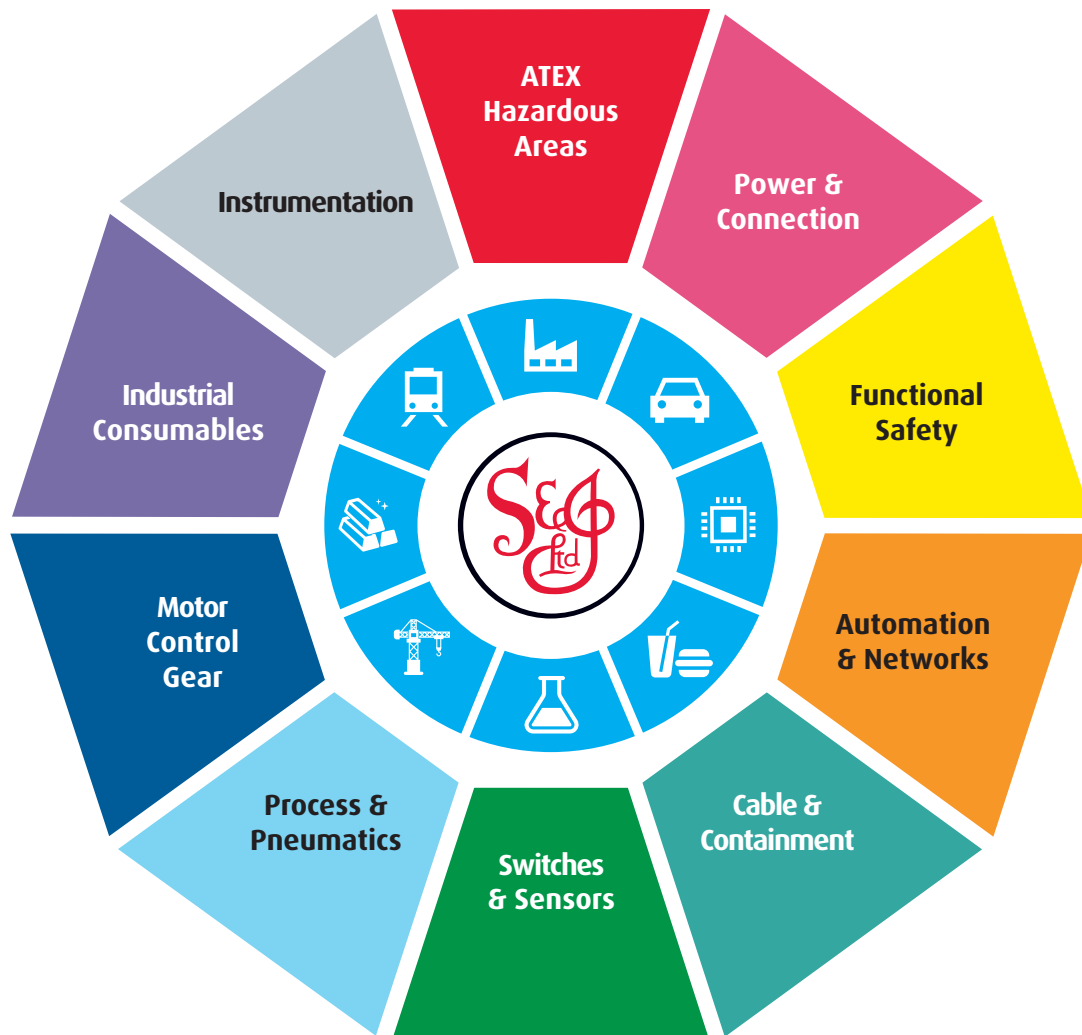
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