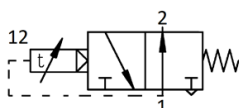


TECHNICAL DATA

Connection	M5 hose screw connection
Protection (IEC 144)	IP40 with connected hoses. IP55 when using a transparent protection cover (see Accessories)
Weight	Approx. 50 g
Time setting	Continuous with rotary knob
Preset delay time	0.2 - 2 s
Repeatability	± 0.3 s (related to delay time)
Minimum pulse duration	Min. 200 ms (For reset at input „12“)
Response pressure	1.2 ± 0.4 bar
Switch-off pressure	< 0.1 bar
Vibration stability	50 m/s ² (10 - 500 Hz)
Shock stability	400 m/s ² (5 ms)
Input pulse duration	Min. 80 ms (Start Verzögerung am Eingang „12“)
Signal interruption time	Min. 300 ms
Mounting position	Any (Upright position preferred)
Tightening torque of the connections	Max. 200 Ncm
Mounting cut out	45 + 0.6 x 22.2 + 0.3 mm
Depth (hose screw connections)	57.5 mm

CONNECTION DIAGRAMS

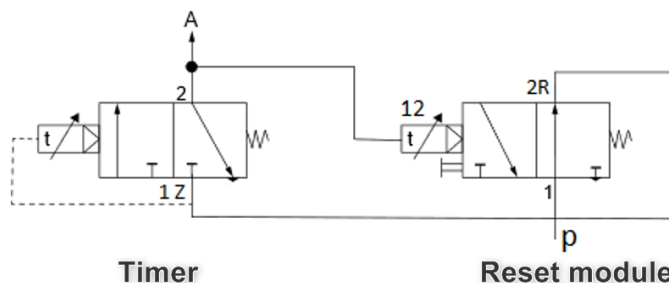
Automatic reset module



1 = Air input „1“
12 = Signal air supply at input „12“

2 = Air output „2“

Example application of pneumatic timer with automatic reset module



“1” Reset module = Air input (mains connection „p“)
“2R” Reset module output = „1Z” Timer = Air input
“2” Timer (Air output) = Signal air input „12” Reset module

Specifications subject to change without notice.

Datasheet	© Hengstler GmbH Umlandstr. 49 D-78554 Aldingen/ Germany	Page
Version 1 181121en	+49 74 24 -89 0 Fax +49 74 24 - 89 500 E-mail: info@hengstler.com Internet: www.hengstler.com	2/4

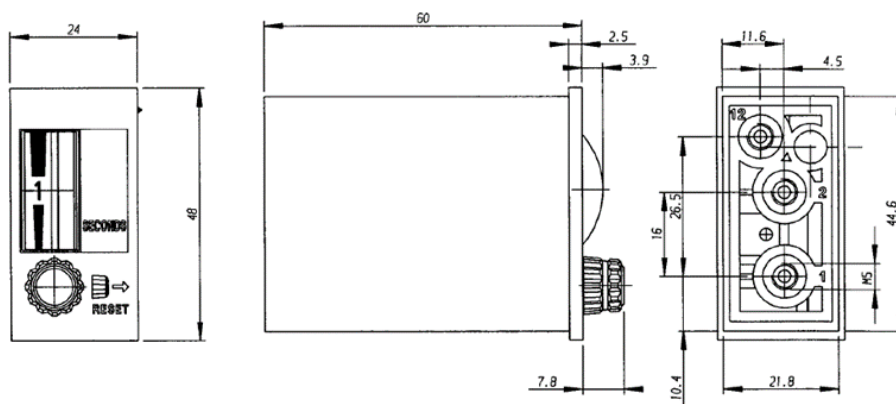
TECHNICAL DATASHEET

ATEX Automatic Reset Module

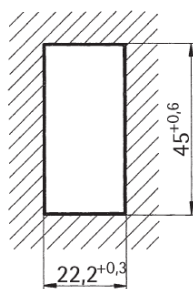
Typ 499

DIMENSIONAL DRAWINGS

Automatic reset module



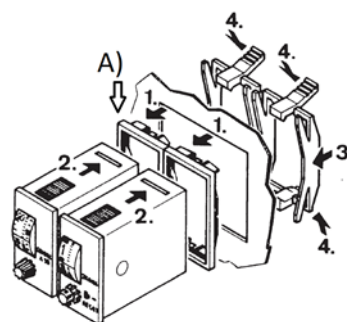
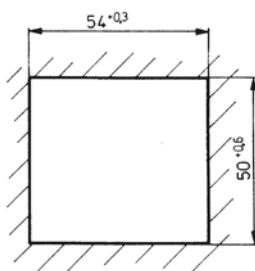
Front panel cut out



Dimensions in mm

ACCESSORIES

Combined mounting of pneumatic timer + reset module with front frames



A = Front frame 29 x 54 mm (2 405 218)

Dimensions in mm

Specifications subject to change without notice.

Datasheet	© Hengstler GmbH Umlandstr. 49 D-78554 Aldingen/ Germany ☎ +49 74 24 -89 0 Fax +49 74 24 - 89 500	Page
Version 1 181121en	E-mail: info@hengstler.com Internet: www.hengstler.com	3/4

TECHNICAL DATASHEET**ATEX Automatic Reset Module****Typ 499**ORDERING INFORMATION
Reset module

	Ordering code
Automatic reset module	0 499 735
Front frame 29 x 54 mm	2 405 218

Accessories

For further accessories, please refer to the pneumatic timers

Specifications subject to change without notice.

Datasheet	© Hengstler GmbH Umlandstr. 49 D-78554 Aldingen/ Germany ☎+49 74 24 -89 0 Fax +49 74 24 - 89 500 E-mail: info@hengstler.com Internet: www.hengstler.com	Page
Version 1 181121en		4/4

TECHNICAL DATASHEET

ATEX Pneumatic Timer

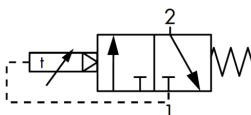
Type 499

TECHNICAL DATA

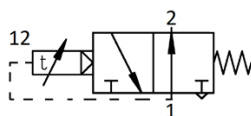
Connection	M5 hose screw connection			
Protection (IEC 144)	IP40 with connected hoses. IP55 when using a transparent protection cover (see Accessories)			
Weight	Approx. 50 g			
Time setting	Continuous with rotary knob			
Time range	0.2 - 3 s	2 - 30 s	8 - 120 s	20 - 300 s
Repeatability	± 0.1 s	± 0.3 s	± 1.2 s	± 3 s
Setting accuracy	± 0.3 s	± 0.6 s	± 3 s	± 6 s
Minimum pulse duration	200ms (For resetting at input „1“)			
Response pressure	1.2 ± 0.4 bar			
Switch-off pressure	< 0.1 bar			
Vibration stability	30 m/s ² (10 - 500 Hz)			
Shock stability	400m/s ² (5 ms)			
Mounting position	Any (Upright position preferred)			
Tightening torque of the connections	Max. 200 Ncm			
Mounting cut out	45 + 0.6 x 22.2 + 0.3 mm			
Depth (hose screw connections)	57.5 mm			

CONNECTION DIAGRAMS

Timer standard version ("Normally closed")



Timer "Normally open" special version ("negative")



1 = Air input „1“

2 = Air output „2“

12 = Signal air supply at input „12“

Specifications subject to change without notice.

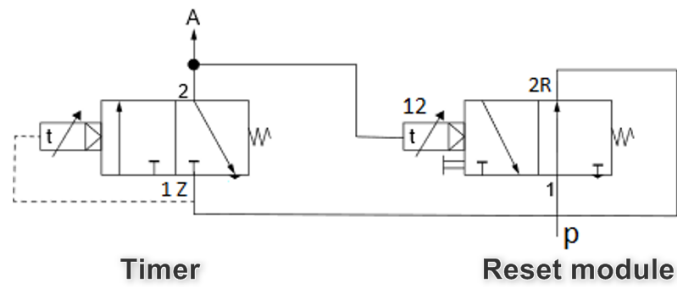
Datasheet	© Hengstler GmbH Umlandstr. 49 D-78554 Aldingen/ Germany	Page
Version 1 181121en	+49 74 24 -89 0 Fax +49 74 24 - 89 500 E-mail: info@hengstler.com Internet: www.hengstler.com	2/5

ATEX Pneumatic Timer

Type 499

CONNECTION DIAGRAMS

Example application of pneumatic timer with automatic reset module

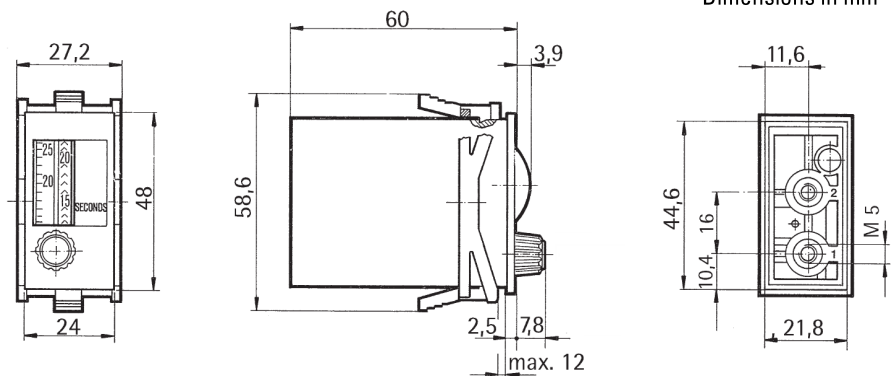


- "1" Reset module = Air input (mains connection „p“)
- "2R" Reset module output = „1Z" Timer = Air input
- "2" Timer (Air output) = Signal air input „12" Reset module

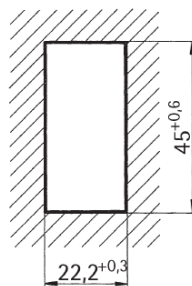
DIMENSIONAL DRAWINGS

Pneumatic timer (with clamping frame)

Dimensions in mm



Front panel installation



Specifications subject to change without notice.

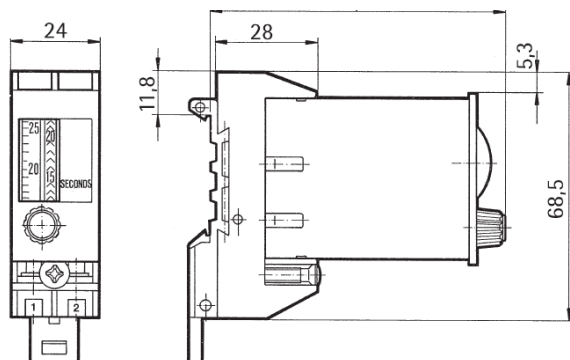
Datasheet	© Hengstler GmbH Umlandstr. 49 D-78554 Aldingen/ Germany ☎ +49 74 24 - 89 0 Fax +49 74 24 - 89 500	Page
Version 1 181121en	E-mail: info@hengstler.com Internet: www.hengstler.com	3/5

ATEX Pneumatic Timer

Type 499

DIMENSIONAL DRAWINGS

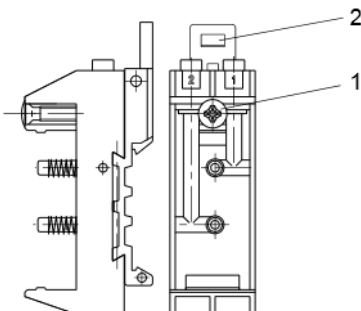
Pneumatic timer (in DIN-rail socket and bypass slide)



Dimensions in mm

ACCESSORIES

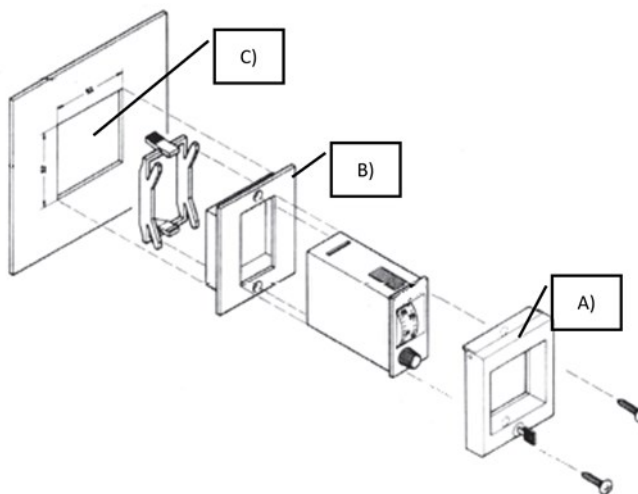
DIN-rail socket and bypass slide



1 = DIN-rail socket with M5 female threaded inputs (1 499 511)

2 = Bypass slide for 35 mm "H" DIN-rails (3 513 306)

Front panel mounting with transparent protection cover



A = Transparent protection cover (1 405 614)

B = Front frame 60 x 75 mm (1 405 614)

C = Front plate cut out 52mm x 52mm

Specifications subject to change without notice.

Datasheet	© Hengstler GmbH Umlandstr. 49 D-78554 Aldingen/ Germany	Page
Version 1 181121en	+49 74 24 -89 0 Fax +49 74 24 - 89 500 E-mail: info@hengstler.com Internet: www.hengstler.com	4/5

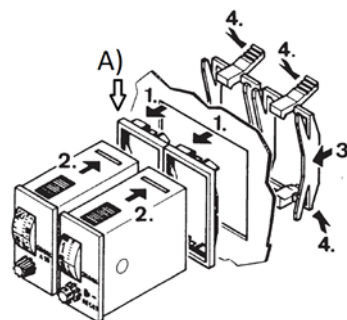
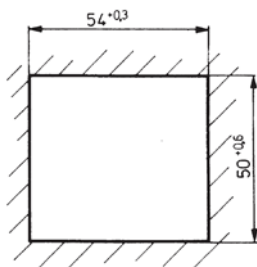
TECHNICAL DATASHEET

ATEX Pneumatic Timer

Type 499

ACCESSORIES

Combined mounting of pneumatic timer + reset module with front frames



A = Front frame 29 x 54 mm (2 405 218)

Dimensions in mm

ORDERING INFORMATION Timer

Version	Time range		
	0.2 ... 3 s	2 ... 30 s	20 ... 300 s
Standard ("Normally closed")	0 499 720	0 499 700	0 499 750
Special ("Normally open") *			

Accessories

DIN-rail socket with M5 female threaded inputs	1 499 511
Bypass slide for 35 mm "H" DIN-rails	3 513 306
Transparent protection cover	1 405 614
Front frame 60 x 75 mm	1 499 512
Front frame 29 x 54 mm	2 405 218

* On request

Specifications subject to change without notice.

Datasheet	© Hengstler GmbH Umlandstr. 49 D-78554 Aldingen/ Germany +49 74 24 -89 0 Fax +49 74 24 - 89 500 E-mail: info@hengstler.com Internet: www.hengstler.com	Page
Version 1 181121en		5/5