

ATX™ D Series Actuators, Pilot Lights, Contact Blocks, Switches and Accessories

Flameproof

ATEX/IECEX:
Zone 1 and 2 – 21 and 22
⊕ II 2 GD
IP66 – IK10

Applications

- Suitable for use with certified flameproof Ex d enclosures for control equipment.

Features

- DIN rail mounted (TS35) and panel mounted versions.
- Large range of M22 x 1.5 mm (0.059") screwed actuator operators including, push buttons, rotary actuators, pilot lights, ammeters and selector switches.
- Fully supplied with actuator, shaft, contact block and yellow laminated plastic legend plate with black lettering 60 x 50 mm (2.36" x 1.97").

Standard Materials

- Box: gray painted marine grade aluminum alloy
- CF2B box: gray painted cast iron for CF2B

ATEX/IECEX Certifications and Compliances

- Certification Type TCD
 - Gas, Zones 1 and 2
 - Conforming to ATEX 94/9/CE: ⊕ II 2 G
 - ATEX/IEC Protection: Ex d IIC
 - Dust, Zones 21 and 22
 - Conforming to ATEX 94/9/CE: ⊕ II 2 D
 - ATEX/IEC Protection: Ex tD A21
 - Surface Temperature: -40 °C to +60 °C (-40 °F to +140 °F)
 - CE Declaration of Conformity: 5C213
 - ATEX Certificate: LCIE 02 ATEX 0036 U
 - IECEx Certificate: IECEx LCI 10.0022U
- Index of Protection according EN/IEC 60529: IP66
- Impact Resistance (shock): IK10

EURASEC Certification

- EURASEC RU C-FR. Г505.B.00909

Rail Mounted Version



Panel Mounted Version



ATX™ D Series AC Ammeter

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Appleton

CONTROLS: ATEX/IECEX FLAMEPROOF CONTROL STATIONS AND RELAYS

48 mm x 48 mm (1.89" x 1.89") – Connection on Current Transformer – Deflection 90° – Class 1.5 – Round Barrel



Description/Function	Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number
Rail Mounted			
1A C.T. 3 x F.L.C. with 0-1-3 Scale	0.1 (0.22)	0.4 (24.4)	DMA1348R
1A C.T. 5 x F.L.C. with 0-1-5 Scale	0.1 (0.22)	0.4 (24.4)	DMA1548R
1A C.T. 6 x F.L.C. with 0-1-6 Scale	0.1 (0.22)	0.4 (24.4)	DMA1648R
5A C.T. 3 x F.L.C. with 0-1-3 Scale	0.1 (0.22)	0.4 (24.4)	DMA5348R
5A C.T. 5 x F.L.C. with 0-1-5 Scale	0.1 (0.22)	0.4 (24.4)	DMA5548R
5A C.T. 6 x F.L.C. with 0-1-6 Scale	0.1 (0.22)	0.4 (24.4)	DMA5648R
Panel Mounted			
1A C.T. 3 x F.L.C. with 0-1-3 Scale	0.1 (0.22)	0.4 (24.4)	DMA1348P
1A C.T. 5 x F.L.C. with 0-1-5 Scale	0.1 (0.22)	0.4 (24.4)	DMA1548P
1A C.T. 6 x F.L.C. with 0-1-6 Scale	0.1 (0.22)	0.4 (24.4)	DMA1648P
5A C.T. 3 x F.L.C. with 0-1-3 Scale	0.1 (0.22)	0.4 (24.4)	DMA5348P
5A C.T. 5 x F.L.C. with 0-1-5 Scale	0.1 (0.22)	0.4 (24.4)	DMA5548P
5A C.T. 6 x F.L.C. with 0-1-6 Scale	0.1 (0.22)	0.4 (24.4)	DMA5648P
AC Ammeter Accessory			
Red Adjustable Index			DM48A

Interchangeable Dials for Above Ammeter

Scale	Number	Catalog Number	Scale	Number	Catalog Number	Scale	Number	Catalog Number
For 1 A Current Transformer 3 x F.L.C.			For 1 A Current Transformer 6 x F.L.C.			For 5 A Current Transformer 5 x F.L.C.		
0 - 5 - 15	A	DA135	0 - 5 - 30	A	DA165	0 - 5 - 25	A	DA555
0 - 10 - 30	A	DA1310	0 - 10 - 60	A	DA1610	0 - 10 - 50	A	DA5510
0 - 15 - 45	A	DA1315	0 - 15 - 90	A	DA1615	0 - 15 - 75	A	DA5515
0 - 20 - 60	A	DA1320	0 - 20 - 120	A	DA1620	0 - 20 - 100	A	DA5520
0 - 30 - 90	A	DA1330	0 - 30 - 180	A	DA1630	0 - 30 - 150	A	DA5530
0 - 40 - 120	A	DA1340	0 - 40 - 240	A	DA1640	0 - 40 - 200	A	DA5540
0 - 50 - 150	A	DA1350	0 - 50 - 300	A	DA1650	0 - 50 - 250	A	DA5550
0 - 60 - 180	A	DA1360	0 - 60 - 360	A	DA1660	0 - 60 - 300	A	DA5560
0 - 75 - 225	A	DA1375	0 - 75 - 450	A	DA1675	0 - 75 - 375	A	DA5575
0 - 100 - 300	A	DA13100	0 - 100 - 600	A	DA16100	0 - 100 - 500	A	DA55100
0 - 125 - 375	A	DA13125	0 - 125 - 750	A	DA16125	0 - 125 - 625	A	DA55125
0 - 150 - 450	A	DA13150	0 - 150 - 900	A	DA16150	0 - 150 - 750	A	DA55150
0 - 200 - 600	A	DA13200	0 - 200 - 1200	A	DA16200	0 - 200 - 1000	A	DA55200
0 - 250 - 750	A	DA13250	0 - 250 - 1500	A	DA16250	0 - 250 - 1250	A	DA55250
For 1 A Current Transformer 5 x F.L.C.			For 5 A Current Transformer 3 x F.L.C.			For 5 A Current Transformer 6 x F.L.C.		
0 - 5 - 25	A	DA155	0 - 5 - 15	A	DA535	0 - 5 - 30	A	DA565
0 - 10 - 50	A	DA1510	0 - 10 - 30	A	DA5310	0 - 10 - 60	A	DA5610
0 - 15 - 75	A	DA1515	0 - 15 - 45	A	DA5315	0 - 15 - 90	A	DA5615
0 - 20 - 100	A	DA1520	0 - 20 - 60	A	DA5320	0 - 20 - 120	A	DA5620
0 - 30 - 150	A	DA1530	0 - 30 - 90	A	DA5330	0 - 30 - 180	A	DA5630
0 - 40 - 200	A	DA1540	0 - 40 - 120	A	DA5340	0 - 40 - 240	A	DA5640
0 - 50 - 250	A	DA1550	0 - 50 - 150	A	DA5350	0 - 50 - 300	A	DA5650
0 - 60 - 300	A	DA1560	0 - 60 - 180	A	DA5360	0 - 60 - 360	A	DA5660
0 - 75 - 375	A	DA1575	0 - 75 - 225	A	DA5375	0 - 75 - 450	A	DA5675
0 - 100 - 500	A	DA15100	0 - 100 - 300	A	DA53100	0 - 100 - 600	A	DA56100
0 - 125 - 625	A	DA15125	0 - 125 - 375	A	DA53125	0 - 125 - 750	A	DA56125
0 - 150 - 750	A	DA15150	0 - 150 - 450	A	DA53150	0 - 150 - 900	A	DA56150
0 - 200 - 1000	A	DA15200	0 - 200 - 600	A	DA53200	0 - 200 - 1200	A	DA56200
0 - 250 - 1250	A	DA15250	0 - 250 - 750	A	DA53250	0 - 250 - 1500	A	DA56250

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Technical Data

Contact Block



NO Contact Block

NC Contact Block

Insulation Voltage (Ui)	500 V
Switching Capacity	
AC 15	4 A/115 V, 4 A/230 V, 2 A/500 V
DC 13	3 A/24 V, 1.7 A/42 V, 1.2 A/60 V, 0.3 A/220 V
Terminal connections	0.75 mm ² to 2.5 mm ² (0.0012 in ² to 0.004 in ²)
Operation life	>5,000,000 Operations

LED Pilot Light



Rated Voltage	85-264 Vac, 50/60 Hz
Rating	5-15mA
Max. Power	0.33 W
Operation life	Average 100,000 Hours at +25 °C (+77 °F)

16 A Selector Switch

Rated insulation voltage	690 V
Thermal rating	20 A
AC 21	16 A
AC 15	6 A
AC 23	
3 x 230 V	4 KW
3 x 400 V	7.5 KW
3 x 500 V	5.5 KW
3 x 690 V	4 KW
AC 3	
3 x 230 V	3 KW
3 x 400 V	4 KW
3 x 500 V	5.5 KW
3 x 690 V	3 KW
Flexible Terminal connections	2.5 mm ² (0.004 in ²)
Solid Terminal connections	4 mm ² (0.006 in ²)

16 A Selector Switch Positions — X = Contact Closed

DS116

Positions	Contacts
	1-2
0	
1	X

DS216

Positions	Contacts	
	1-2	3-4
0		
1	X	X

DS316

Positions	Contacts		
	1-2	3-4	5-6
0			
1	X	X	X

DS416

Positions	Contacts			
	1-2	3-4	5-6	7-8
0				
1	X	X	X	X

DS21601

Positions	Contacts	
	1-2	3-4
1	X	
2		X

DS21602

Positions	Contacts	
	1-2	3-4
1	X	
0		
2		X

DS41601

Positions	Contacts			
	1-2	3-4	5-6	7-8
1	X		X	
2		X		X

DS41602

Positions	Contacts			
	1-2	3-4	5-6	7-8
1	X		X	
0				
2		X		X