

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

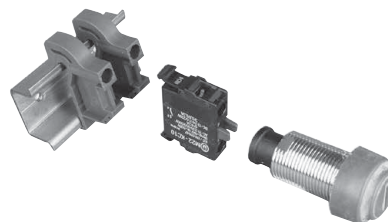
ATEX/IECEX Certifications and Compliances

- 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

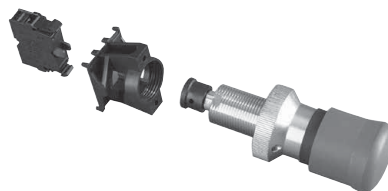
EURASEC Certification

- EURASEC RU C-FR. 1505.B.00909

Rail Mounted Version



Panel Mounted Version



ATX™ D Series TS35 Rail Mounted Actuators and Contact Blocks

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Appleton®

CONTROLS: ATEX/IECEX FLAMEPROOF CONTROL STATIONS AND RELAYS

	Description/Function	Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number ①
	Spring Return Push Button			
	Green spring return 'I' push button with 1NO momentary contact	0.2 (0.44)	0.4 (24.4)	DA5GR
	Red spring return 'O' push button with 1NC momentary contact	0.2 (0.44)	0.4 (24.4)	DA9RR
	Mushroom Head Push Button			
	Red mushroom head spring return with 1NC momentary contact Padlockable in both positions	0.2 (0.44)	0.4 (24.4)	DR9R
	Red mushroom head push pull with 1NC maintained contact Padlockable in both positions	0.2 (0.44)	0.4 (24.4)	DD9R
	Red mushroom head key release with 1NC maintained contact Unlocked with key (MS1)	0.2 (0.44)	0.4 (24.4)	DC9R
	Rotary Actuator			
	2 maintained positions with 1NO maintained contact	0.2 (0.44)	0.4 (24.4)	DH5R
	2 maintained positions key operated with 1NO maintained contact key removable in both positions (MS1)	0.2 (0.44)	0.4 (24.4)	DG5R
	Additional Contacts			
	1 x NO contact	0.1 (0.22)	0.2 (12.20)	DCB5R
	1 x NC contact	0.1 (0.22)	0.2 (12.20)	DCB9R
	LED Pilot Lights			
	Red 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPR12R
	Green 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPG12R
	White 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPW12R
	Blue 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPB12R
	Yellow 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPY12R
	Red 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPR48R
	Green 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPG48R
	White 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPW48R
	Blue 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPB48R
	Yellow 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPY48R
	Red 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPR85R
	Green 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPG85R
	White 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPW85R
	Blue 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPB85R
	Yellow 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPY85R
	Transfer Kit			
	To be used when replacing old catalog number range of contacts 094057 and 094058 and old catalog number range of indicators 093990-093991 and 094090-094091	0.2 (0.44)	0.4 (24.4)	093958
	16 A Switches			
	1-pole switch with non-padlockable handle "0-1"	0.3 (0.66)	0.5 (30.51)	DS116R
	2-pole switch with non-padlockable handle "0-1"	0.3 (0.66)	0.5 (30.51)	DS216R
	3-pole switch with non-padlockable handle "0-1"	0.3 (0.66)	0.5 (30.51)	DS316R
	4-pole switch with non-padlockable handle "0-1"	0.3 (0.66)	0.5 (30.51)	DS416R
	2 way 1-pole selector switch with non-padlockable handle "1-2"	0.3 (0.66)	0.5 (30.51)	DS21601R
	3 way 1-pole selector switch with non-padlockable handle "1-0-2"	0.3 (0.66)	0.5 (30.51)	DS21602R

① Legend plate supplied.

ATX™ D Series Panel Mounted Actuators and Contact Blocks

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Description/Function		Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number ①
	Spring Return Push Button			
	Green spring return 'I' push button with 1NO momentary contact	0.2 (0.44)	0.4 (24.4)	DA5GP
	Red spring return 'O' push button with 1NC momentary contact	0.2 (0.44)	0.4 (24.4)	DA9RP
	Mushroom Head Push Button			
	Red mushroom head spring return with 1NC momentary contact Padlockable in both positions	0.2 (0.44)	0.4 (24.4)	DR9P
	Red mushroom head push pull with 1NC maintained contact Padlockable in both positions	0.2 (0.44)	0.4 (24.4)	DD9P
	Red mushroom head key release with 1NC maintained contact Unlocked with key (MS1)	0.2 (0.44)	0.4 (24.4)	DC9P
	Rotary Actuator			
	2 maintained positions with 1NO maintained contact	0.2 (0.44)	0.4 (24.4)	DH5P
	2 maintained positions key operated with 1NO maintained contact key removable in both positions (MS1)	0.2 (0.44)	0.4 (24.4)	DG5P
	Additional Contacts			
	1 x NO contact	0.1 (0.22)	0.2 (12.20)	DCB5P
	1 x NC contact	0.1 (0.22)	0.2 (12.20)	DCB9P
	LED Pilot Lights			
	Red 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPR12P
	Green 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPG12P
	White 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPW12P
	Blue 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPB12P
	Yellow 12 to 30 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPY12P
	Red 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPR48P
	Green 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPG48P
	White 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPW48P
	Blue 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPB48P
	Yellow 48 to 60 Vac/Vdc	0.1 (0.22)	0.4 (24.4)	DPY48P
	Red 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPR85P
	Green 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPG85P
	White 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPW85P
	Blue 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPB85P
	Yellow 85 to 264 Vac	0.1 (0.22)	0.4 (24.4)	DPY85P
	Transfer Kit			
	To be used when replacing old catalog number range of contacts 094055 and 094056 and old catalog number range of indicators 093992-093993 and 094092-094093	0.2 (0.44)	0.4 (24.4)	093959
	16 A Switches			
	1-pole switch with non-padlockable handle "0-1"	0.3 (0.66)	0.5 (30.51)	DS116P
	2-pole switch with non-padlockable handle "0-1"	0.3 (0.66)	0.5 (30.51)	DS216P
	3-pole switch with non-padlockable handle "0-1"	0.3 (0.66)	0.5 (30.51)	DS316P
	4-pole switch with non-padlockable handle "0-1"	0.3 (0.66)	0.5 (30.51)	DS416P
	2 way 1-pole selector switch with non-padlockable handle "1-2"	0.3 (0.66)	0.5 (30.51)	DS21601P
	3 way 1-pole selector switch with non-padlockable handle "1-0-2"	0.3 (0.66)	0.5 (30.51)	DS21602P
	2 way 2-pole selector switch with non-padlockable handle "1-2"	0.3 (0.66)	0.5 (30.51)	DS41601P
	3 way 2-pole selector switch with non-padlockable handle "1-0-2"	0.3 (0.66)	0.5 (30.51)	DS41602P

① Legend plate supplied.

ATX™ D Series Accessories

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Description/Function		Weight kg (lb)	Volume dm³ (in³)	Catalog Number
	Spare Shrouds for Spring Return Push Buttons			
	Green shroud marked "I"	0.1 (0.22)	0.2 (12.20)	DSG
	Red shroud marked "O"	0.1 (0.22)	0.2 (12.20)	DSR
	Green shroud marked "start"	0.1 (0.22)	0.2 (12.20)	DSS
	Red shroud marked "A Réarmement"	0.1 (0.22)	0.2 (12.20)	DSA
	Black shroud (unmarked)	0.1 (0.22)	0.2 (12.20)	DSN
	Blue shroud (unmarked)	0.1 (0.22)	0.2 (12.20)	DSB
Aluminum Guard Painted Red				
Mushroom head actuator protection				DGD1A
Stainless Steel Padlocking Devices				
For spring return push button				DPLD1S
For rotary actuator, red mushroom head spring return or push-pull				DPLD2S
	Spare Lenses for Pilot Lights			
	Red	0.1 (0.22)	0.2 (12.20)	DPRENS
	Green	0.1 (0.22)	0.2 (12.20)	DPGLENS
	White	0.1 (0.22)	0.2 (12.20)	DPWLENS
	Blue	0.1 (0.22)	0.2 (12.20)	DPBLENS
	Yellow	0.1 (0.22)	0.2 (12.20)	DPYLENS
Spare Handle for Switches				
	Non-padlockable handle	0.2 (0.44)	0.2 (12.20)	DSNPH
	Padlockable handle — 48 mm x 48 mm (1.89" x 1.89")	0.06 (0.13)	0.3 (18.31)	DSPH
Laminated Plastic Legend Plate with Black Lettering				
Large size — 60 mm x 50 mm (2.36 in x 1.97")				DLP00
Small size — 45 mm x 31.2 mm (1.77" x 1.24")				DLP01
	Blanking Plug			
Used to close up unused openings on cover M22 x 1.5 mm (0.059")		0.2 (0.44)	0.2 (12.20)	DBPM22

ATX™ D Series AC Ammeter

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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

3
|
4

1
|
2

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

DS416

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

DS21601

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

DS21602

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

DS41601

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

DS41602

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

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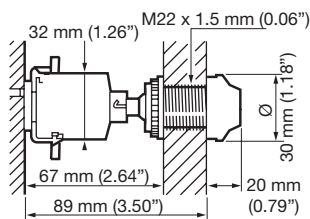
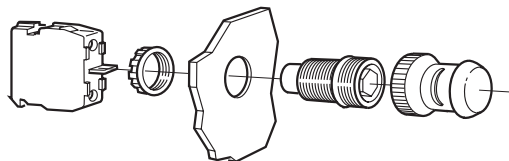
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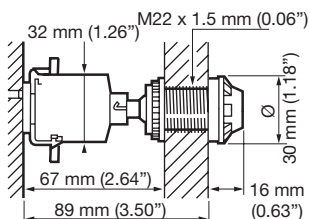
CONTROLS: ATEX/IECEX FLAMEPROOF CONTROL STATIONS AND RELAYS

Dimensions in Millimeters (Inches)

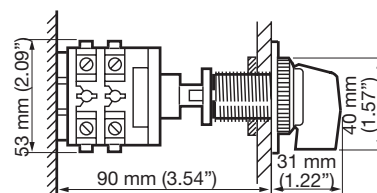
Rail Mounted



Rail Mounted Push Button

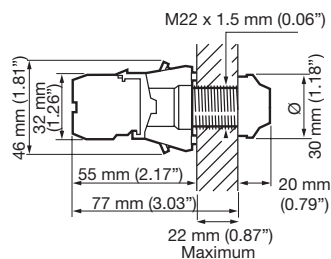
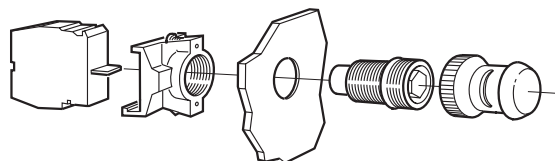


Rail Mounted Pilot Light

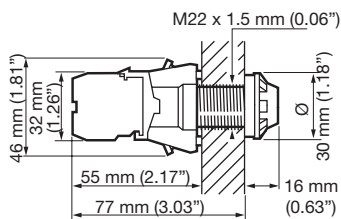


Back Mounted Switch

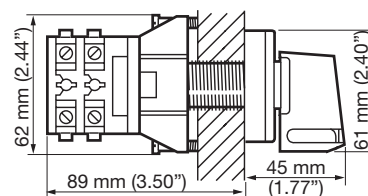
Panel Mounted



Panel Mounted Push Button

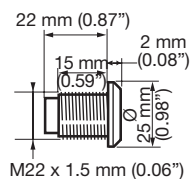


Panel Mounted Pilot Light

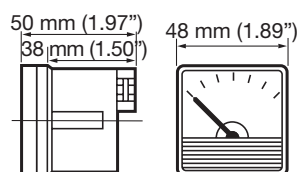


Panel Mounted Switch

Accessories



Blanking Plug



Ammeter