

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.В.00909

Rail Mounted Version



Panel Mounted Version



ATX™ D Series TS35 Rail 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)	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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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)	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 dm ³ (in ³)	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 "0"	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

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

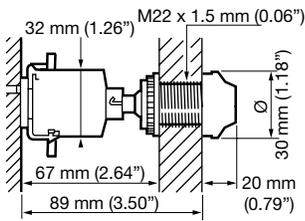
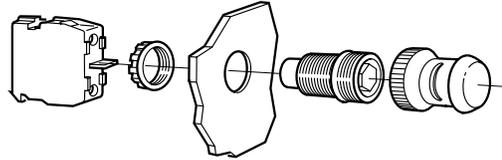
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Flameproof

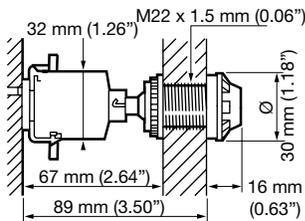
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Dimensions in Millimeters (Inches)

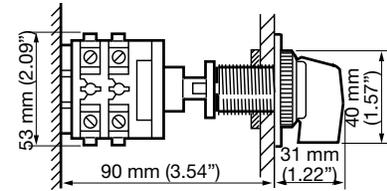
Rail Mounted



Rail Mounted Push Button

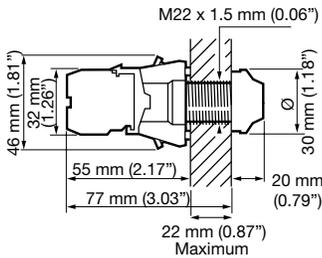
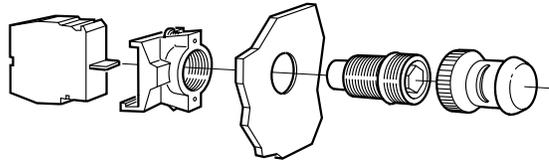


Rail Mounted Pilot Light

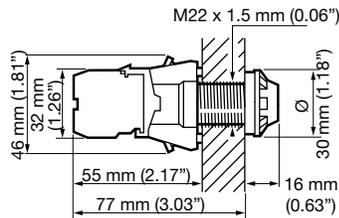


Back Mounted Switch

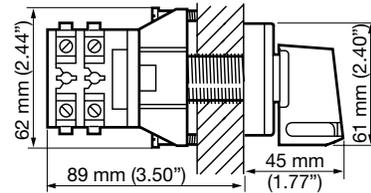
Panel Mounted



Panel Mounted Push Button

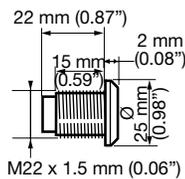


Panel Mounted Pilot Light

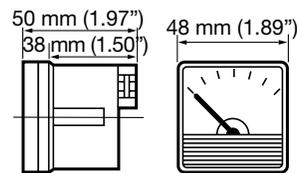


Panel Mounted Switch

Accessories



Blanking Plug



Ammeter