

ATX™ D Series Components

Flameproof

ATEX/IECEx: Zones 1 and 2 – 21 and 22

Applications

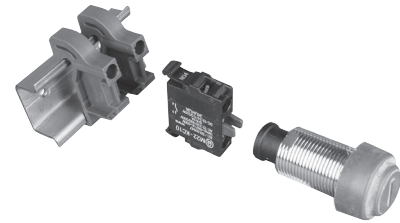
- Suitable for use with certified flameproof Ex d enclosures for control equipment.

Features

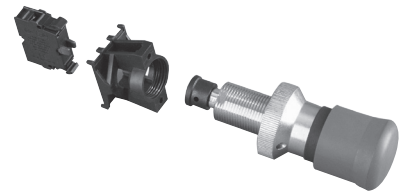
- DIN rail mounted (TS35) and panel mounted versions.
- Large range of M22 x 1.5 mm (0.059") screwed actuator operators including, push buttons, rotary actuators, pilot lights, ammeters and selector switches.
- Fully supplied with actuator, shaft, contact block and yellow laminated plastic legend plate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

ATEX/IECEx Certifications and Compliances

- Certification Type: TCD
 - Gas, Zones 1 and 2
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 G
 - Type of Protection: Ex db IIC Gb
 - Dust, Zones 21 and 22
 - Conforming to ATEX 2014/34/EU: Ⓢ II 2 D
 - Type of Protection: Ex tb IIIC Db
 - Service Temperature: -40 °C to +105 °C (-40 °F to +221 °F)
 - 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



Rail Mounted Version



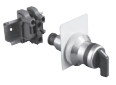






Panel Mounted Version

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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.

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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.

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Description/Function	Weight kg (lb)	Volume dm ³ (in ³)	Catalog Number ①
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 "STOP"	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

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

Control Stations and Panels



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Technical Data

Contact Block

 <p>NO Contact Block</p>	 <p>NC Contact Block</p>
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

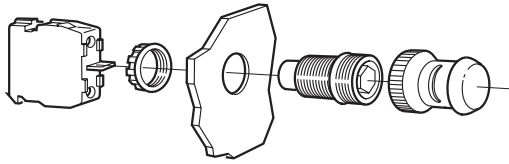
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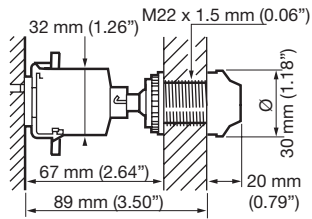
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Dimensions in Millimeters (Inches)

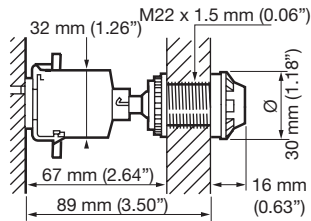
Rail Mounted



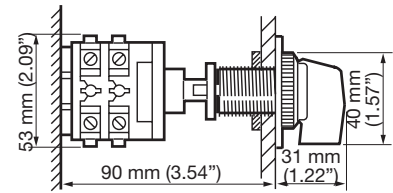
Rail Mounted Push Button



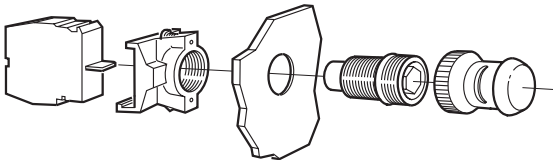
Rail Mounted Pilot Light



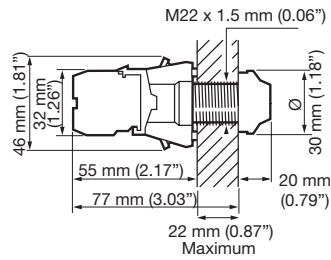
Back Mounted Switch



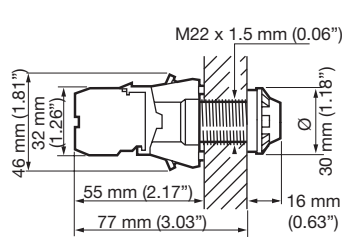
Panel Mounted



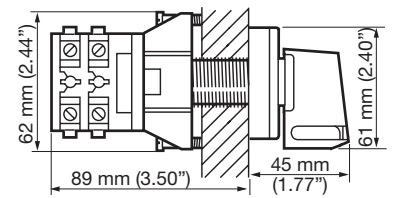
Panel Mounted Push Button



Panel Mounted Pilot Light

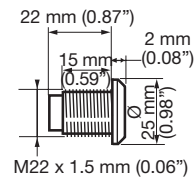


Panel Mounted Switch



Accessories

Blanking Plug



Ammeter

