

Ex ec IIC T5 Gc $-10^{\circ}C \le Ta \le +60^{\circ}C$ Ex tc IIIC T93°C Dc





Specifications

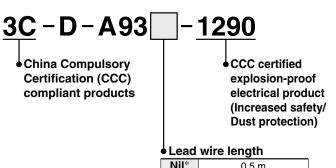
	PLC: Programmable Logic Controller				
D-A93 (With indicator light)					
Auto switch model	3C-D-A93-1290				
Applicable load	Relay, PLC				
Load voltage	24 VDC				
Load current range and Maximum load current	5 to 40 mA				
Contact protection circuit	None				
Internal voltage drop	D-A93: 2.4 V or less (up to 20 mA)/3 V or less (up to 40 mA)				
Indicator light	Red LED illuminates when turned ON.				

Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		3C-D-A93-1290
Sheath	Outside diameter [mm]	ø2.7
Inculator	Number of cores	2 cores (Brown/Blue)
Insulator	Outside diameter [mm]	ø0.96
Conductor	Effective area [mm ²]	0.18
Conductor	Strand diameter [mm]	ø0.08
Lead wire minimum bending radius [mm] (Reference values)		17

• Can only be used in Zones 2 and 22

How to Order



Nil*	0.5 m
L	3 m
Z *	5 m

Part numbers with an asterisk (*) are produced upon receipt of order.

CCC Certification (Explosion-proof Electrical Product) Solid State Auto Switch/Direct Mounting Type 3C-D-M9N(V)-1290/3C-D-M9P(V)-1290/3C-D-M9B(V)-1290

Ex ec IIC T5 Gc -10°C \leq Ta \leq + 60°C Ex tc IIIC T93°C Dc

Grommet

- 2-wire load current is reduced (2.5 to 40 mA).
- Using flexible cable as standard spec.



Precautions

Fix the auto switch with the existing screw installed on the auto switch body. The auto switch may be damaged if a screw other than the one supplied is used.

Specifications

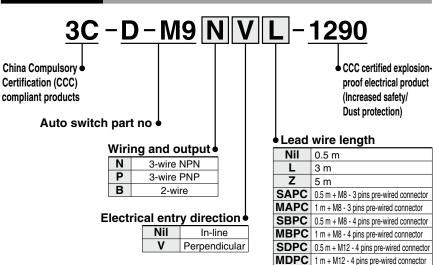
				PLC: Progr	ammable Lo	gic Controller
3C-D-M9□-1290, 3C-D-M9□V-1290 (With indicator light)						
Auto switch model	3C-D-M9N-1290	3C-D-M9NV-1290	3C-D-M9P-1290	3C-D-M9PV-1290	3C-D-M9B-1290	3C-D-M9BV-1290
Electrical entry direction	In-line	Perpendicular	In-line	Perpendicular	In-line	Perpendicular
Wiring type	3-wire 2-w				vire	
Output type	NPN PNP			_		
Applicable load	IC circuit, Relay, PLC			24 VDC relay, PLC		
Power supply voltage	5, 12, 24 VDC (4.5 to 28 V)			_		
Current consumption	10 mA or less			-	_	
Load voltage	28 VDC or less —			24 VDC (10	to 28 VDC)	
Load current	40 mA or less			2.5 to	40 mA	
Internal voltage drop	0.8 V or less at 10 mA (2 V or less at 40 mA)			4 V o	r less	
Leakage current	100 µA or less at 24 VDC 0.8			0.8 mA	or less	
Indicator light	Red LED illuminates when turned ON.					

• Can only be used in Zones 2 and 22

Oilproof Flexible Heavy-duty Lead Wire Specifications

	المام محمد والمط	20 D MON(4) 1000	20 D MOD(4) 1000	20 D MOD(4) 1000
Auto switch model		3C-D-M9N(V)-1290	3C-D-M9P(V)-1290	3C-D-M9B(V)-1290
Sheath	Outside diameter [mm]	ø2.6		
Inculator	Number of cores	3 cores (Brown/Blue/Black) 2 cores (Brown/		2 cores (Brown/Blue)
Insulator Outside diameter [m		ø0.88		
Effective area [mm ²]		0.15		
Conductor Strand diameter [mm]		ø0.05		
Minimum bending radius [mm] (Reference values)			17	

How to Order



Connector Specifications

Connector type	M8-3 pins	M8-4 pins	M12-4 pins
Pin arrangement			

CCC Certification (Explosion-proof Electrical Product) 2-Color Indicator Solid State Auto Switch/Direct Mounting Type 3C-D-M9NW(V)-1290/3C-D-M9PW(V)-1290/3C-D-M9BW(V)-1290

Ex ec IIC T5 Gc -10°C \leq Ta \leq + 60°C Ex tc IIIC T93°C Dc

Grommet

- 2-wire load current is reduced (2.5 to 40 mA).
- Using flexible cable as standard spec.



Precautions

Fix the auto switch with the existing screw installed on the auto switch body. The auto switch may be damaged if a screw other than the one supplied is used.

Auto Switch Specifications

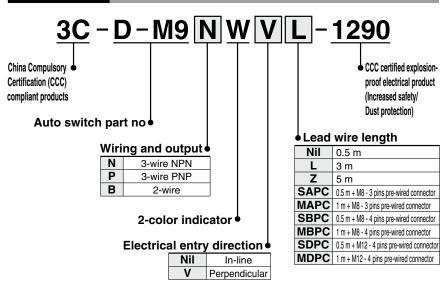
	PLC: Programmable Logic Controller					
3C-D-M9 W-1290, 3C-D-M9 WV-1290 (With indicator light)						
Auto switch model	3C-D-M9NW-1290 3C-D-M9NWV-1290 3C-D-M9PW-1290 3C-D-M9PWV-1290 3				3C-D-M9BW-1290	3C-D-M9BWV-1290
Electrical entry direction	In-line	Perpendicular	In-line	Perpendicular	In-line	Perpendicular
Wiring type		3-v	vire		2-v	vire
Output type	NPN PNP					
Applicable load	IC circuit, Relay, PLC			24 VDC relay, PLC		
Power supply voltage	5, 12, 24 VDC (4.5 to 28 V)			—		
Current consumption	10 mA or less			-	_	
Load voltage	28 VD0	28 VDC or less —			24 VDC (10	to 28 VDC)
Load current	40 mA or less			2.5 to	40 mA	
Internal voltage drop	0.8 V or less at 10 mA (2 V or less at 40 mA)			4 V o	or less	
Leakage current	100 μ A or less at 24 VDC			0.8 mA	or less	
Indicator light	Operating range Red LED illuminates. Proper operating range Green LED illuminates.					

• Can only be used in Zones 2 and 22

Oilproof Flexible Heavy-duty Lead Wire Specifications

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Auto switch model		3C-D-M9NW(V)-1290	3C-D-M9PW(V)-1290	3C-D-M9BW(V)-1290	
Sheath	Outside diameter [mm]	ø2.6			
la sulstan	Number of cores	3 cores (Brown/Blue/Black) 2 cores (Brown/			
Insulator	Insulator Outside diameter [mm]		ø0.88		
Ormalization	Effective area [mm ²]	0.15			
Conductor Strand diameter [mm]		ø0.05			
Minimum bending radius [mm] (Reference values)			17		

How to Order



Connector Specifications

Connector type	M8-3 pins	M8-4 pins	M12-4 pins
Pin arrangement		1 2 3 4	

