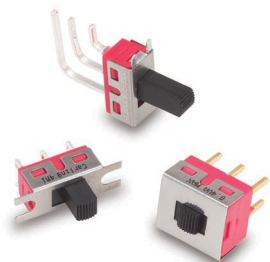


4S1 & 4SS-Series
Sub-Miniature &
Sealed Sub-Miniature
Slide Switches



4M1-Series
Miniature Slide Switch

Specifications

Contact Rating refer to ordering scheme
 Electrical Life 30,000 make & break cycles at full load
 Contact Resistance. 10 mΩ max. initial @ 2-4 VDC
 100mA for both silver & gold plated contacts.
 Insulation Resistance . . . 1000 MΩ min.
 Dielectric Strength 1500 Volts RMS @ sea level
 Operating Temperature . . -30°C to +85°C
 Solder Heat Resistance. . . MIL-STD-202, Method 210
 Actuator Travel 25°

Materials

Case Diallyl phthalate (DAP) (UL 94V-0)
 Slide Handle. Nylon
 Housing. Stainless Steel
 Terminal Seal Epoxy

4S1-Series Ordering Scheme

4S1 - **FSP** **1** - **M6** **Q** **E**

Series Poles Circuit Termination Contact Seal Packaging

1 SERIES

4S1 Sub-Miniature Slide Switch

2 POLES

FSP single pole

3 CIRCUIT

Switching Position:

	2-1	OPEN	2-3
1	ON	NONE	ON
3	ON	OFF	ON

4 TERMINATION

M2 PCB
M6 PC Mount, 90° horizontal

5 CONTACT

	Material	Terminal Plating	Rating
G	silver ¹	gold over silver ³	3A@125VAC or 28VDC; 1.5A @ 250VAC
K	gold ²	tin-lead ⁴	0.4VA max. @20V max (AC/DC)
P	silver ¹	tin-lead ⁴	3A@125VAC or 28VDC; 1.5A @ 250VAC
Q	silver ¹	silver ¹	3A@125VAC or 28VDC; 1.5A @ 250VAC
R	gold ²	gold ²	0.4VA max. @20V max (AC/DC)

NOTE:

Tin-lead option available with PC type terminations only.
 1 Moveable contact & terminals: copper alloy, silver plate
 2 Moveable contact & terminals: copper alloy with gold plate over nickel plate
 3 Terminals: silver plate with outer layer in gold plating

6 EPOXY SEAL

E epoxy seal

7 PACKAGING

Switches are bulk packed, unless **T/R** is specified at the end of the part number.
T/R tape reel - 500 pieces per reel

Diagram illustrating the pinout configuration for a 7-pin connector:

Pin Number	Pin Label	Function
1	4SS	Series
2	FSP	Poles
3	1	Circuit
4	M6	Termination
5	G	Contact
6	E	Seal
7		Packaging

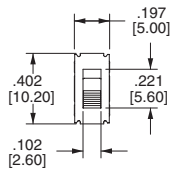
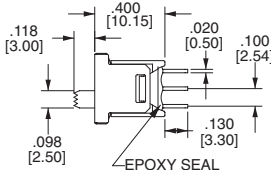
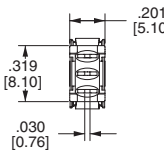
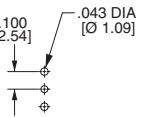
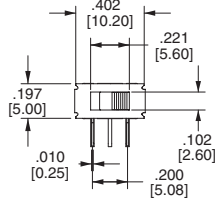
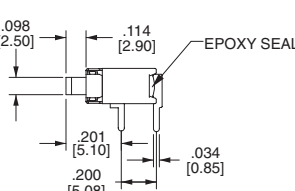
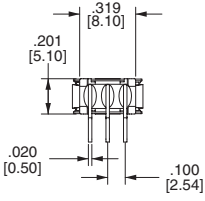
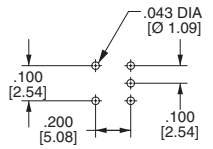
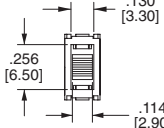
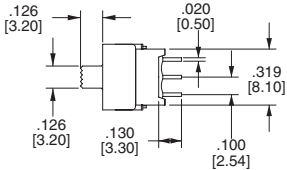
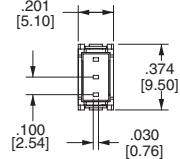
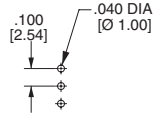
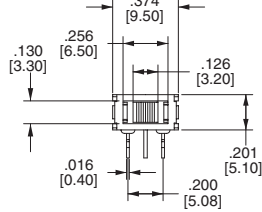
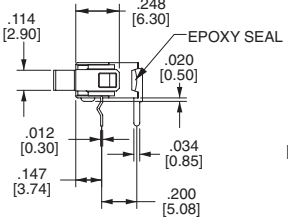
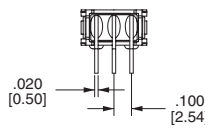
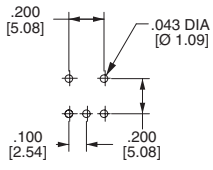
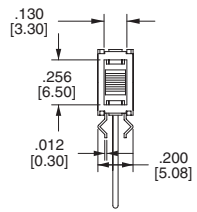
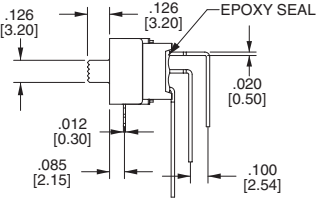
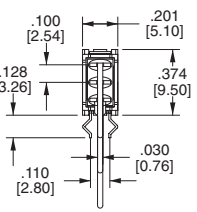
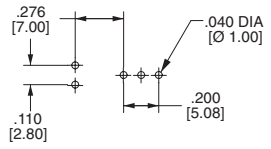
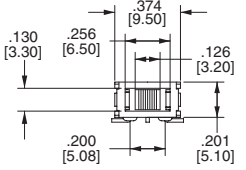
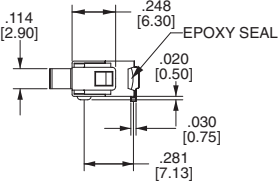
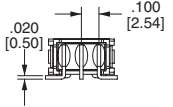
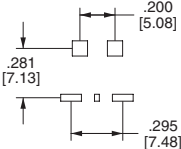
1 SERIES 4SS Sealed Sub-Miniature Slide Switch																							
2 POLES FSP single pole																							
3 CIRCUIT Switching Position: <table> <tr> <td></td><td>2-1</td><td>OPEN</td><td>2-3</td></tr> <tr> <td>1</td><td>ON</td><td>NONE</td><td>ON</td></tr> <tr> <td>3</td><td>ON</td><td>OFF</td><td>ON</td></tr> </table>					2-1	OPEN	2-3	1	ON	NONE	ON	3	ON	OFF	ON								
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1	ON	NONE	ON																				
3	ON	OFF	ON																				
4 TERMINATION Termination options for switches with brick color actuators M2 PCB M6 PC Mount, 90° horizontal M7 PC Mount, 90° vertical Termination options for switches with white color actuators L6 Surface Mount, 90° flat S6 Surface Mount, 90° horizontal S7 Surface Mount, 90° vertical																							
5 CONTACT <table> <tr> <th></th><th>Material</th><th>Terminal Plating</th><th>Rating</th></tr> <tr> <td>G</td><td>silver¹</td><td>gold over silver</td><td>3A @ 125VAC or 28VDC; 1.5A @ 250VAC</td></tr> <tr> <td>K</td><td>gold²</td><td>tin-lead⁴</td><td>0.4VA max. @ 20V max (AC/DC)</td></tr> <tr> <td>P</td><td>silver¹</td><td>tin-lead</td><td>3A @ 125VAC or 28VDC; 1.5A @ 250VAC</td></tr> <tr> <td>R</td><td>gold²</td><td>gold²</td><td>0.4VA max. @ 20V max (AC/DC)</td></tr> </table> NOTE: Tin-lead option available with PC type terminations only. 1 Moveable contact & terminals: copper alloy, silver plate 2 Moveable contact & terminals: copper alloy with gold plate over nickel plate 3 Terminals: silver plate with outer layer in gold plating 4 Outer terminals: copper alloy with tin-lead over nickel plate					Material	Terminal Plating	Rating	G	silver ¹	gold over silver	3A @ 125VAC or 28VDC; 1.5A @ 250VAC	K	gold ²	tin-lead ⁴	0.4VA max. @ 20V max (AC/DC)	P	silver ¹	tin-lead	3A @ 125VAC or 28VDC; 1.5A @ 250VAC	R	gold ²	gold ²	0.4VA max. @ 20V max (AC/DC)
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6 EPOXY SEAL E epoxy seal																							
7 PACKAGING Switches are bulk packed, unless T/R is specified at the end of the part number. T/R tape reel - 500 pieces per reel																							

Diagram illustrating the part number structure: **4M1-SSP3-S1/2-M6QE**

- 1 Series
- 2 Poles
- 3 Circuit
- 4 Actuator
- 5 Actuator Color
- 6 Termination
- 7 Contact
- 8 Seal

1 SERIES 4M1 Miniature Slide Switch				6 TERMINATION M1 Solder Lug M2 PCB M3 Quick Connect M5-1 Wire Wrap .750 [19.05] M5-2 Wire Wrap [24.48]				M5-3 Wire Wrap [10.80] M5-4 Wire Wrap [26.97] M6 PC Mount, 90° horizontal M7 PC Mount, 90° vertical VS2 PC Mount, U bracket, .620 mounting x .460 high			
2 POLES SSP single pole				SDP double pole							
3 CIRCUIT Switching Position 1 2-1, 5-4 3 ON ON OFF OFF				 2-3, 5-6 ON ON ON ON							
4 ACTUATOR S1 .201 [5.10] high S2 .285 [7.25] high S3 .370 [9.40] high S4 .140 [3.55] high S5 .053 [1.35] high (for DPDT only) S6 .482 [12.25] high S7 .311 [7.90] high T1 .201 [5.10] high (for DPDT only)								7 CONTACT G Material silver ¹ Terminal Plating gold over silver ³ Rating 5A @ 125VAC or 28VDC; 2A @ 250VAC Approvals UL, CSA K gold ² tin-lead ⁴ 0.4VA max. @20V max (AC/DC) P silver ¹ tin-lead ⁴ 5A @ 125VAC or 28VDC; 2A @ 250VAC UL, CSA Q silver ¹ silver ¹ 5A @ 125VAC or 28VDC; 2A @ 250VAC UL, CSA R gold ² gold ² 0.4VA max. @20V max (AC/DC) NOTE: Tin-lead option available with PC type terminations only. 1 Moveable contact & terminals: copper alloy, silver plate 2 Moveable contact & terminals: copper alloy with gold plate over nickel plate 3 Terminals: silver plate with outer layer in gold plating 4 Outer terminals: copper alloy with tin-lead over nickel plate			
5 ACTUATOR COLOR¹ 1 white 3 red 5 yellow 7 blue 9 gray 2 black 4 orange 6 green 8 brown								8 EPOXY SEAL E epoxy seal			
1 White, black & red are standard. Other colors available for quantities of 5K or more.											

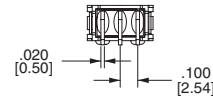
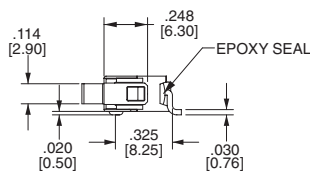
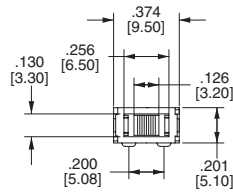
4S-Series Dimensional Specifications: in. [mm]

4S1-Series		TERMINATION		PC MOUNTING
M2				
M6				
4SS-Series		TERMINATION		PC MOUNTING
M2				
M6				
M7				
L6				

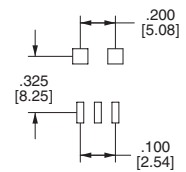
4SS-Series Dimensional Specifications: in. [mm]

TERMINATION

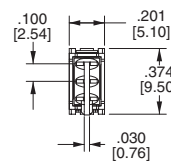
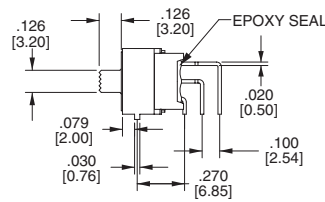
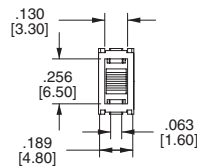
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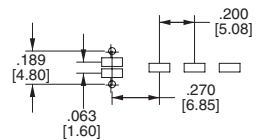
PC MOUNTING



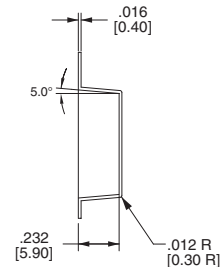
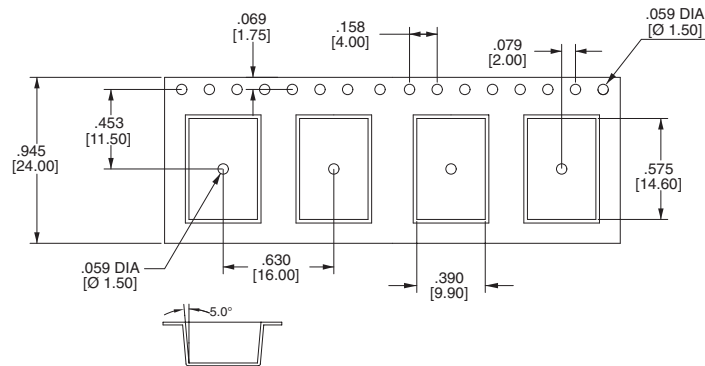
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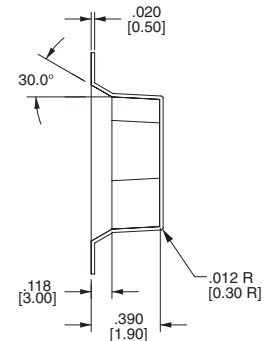
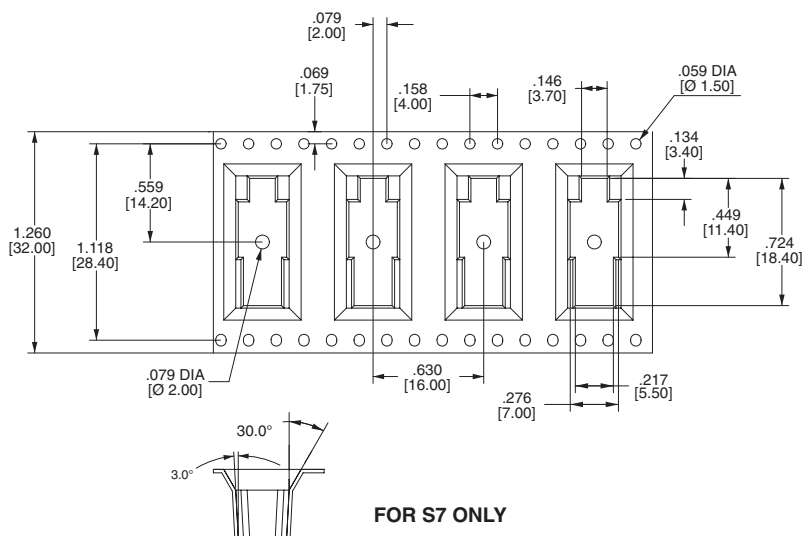
PC MOUNTING



REEL TAPING

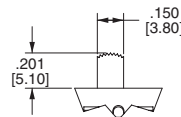
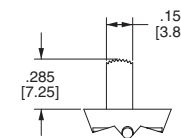
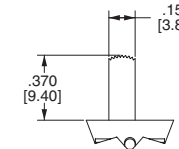
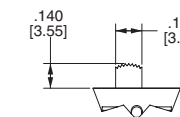
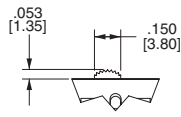
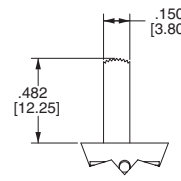
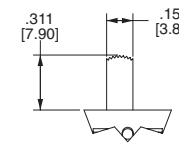
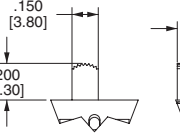


FOR S6,L6 ONLY

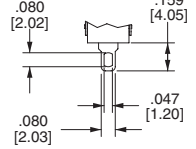
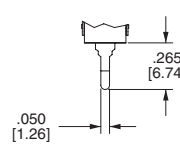
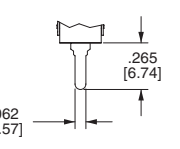
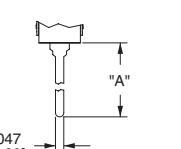


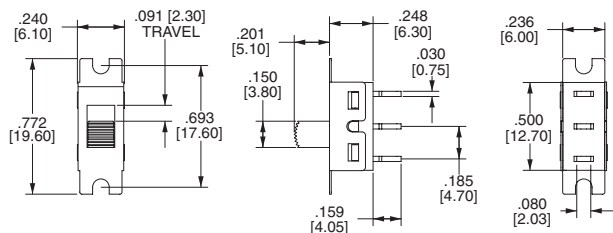
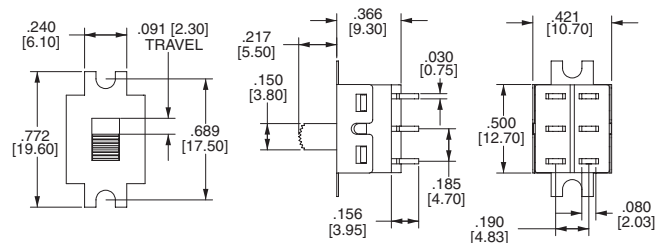
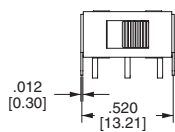
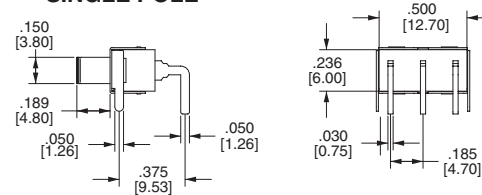
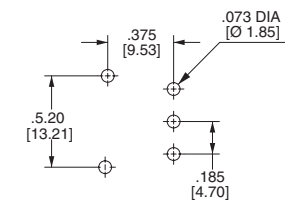
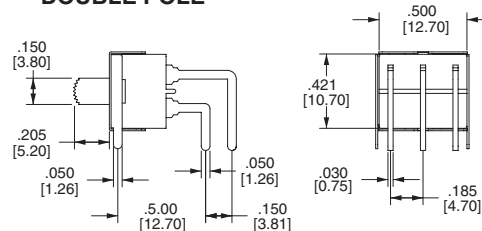
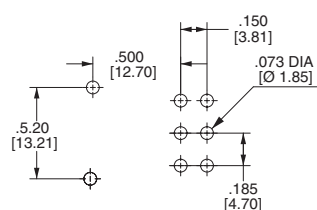
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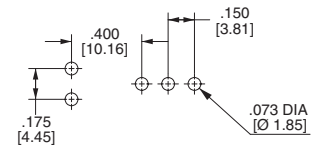
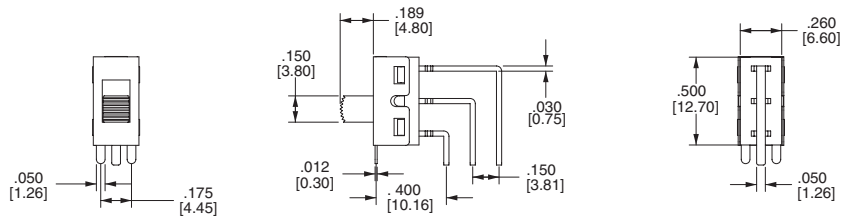
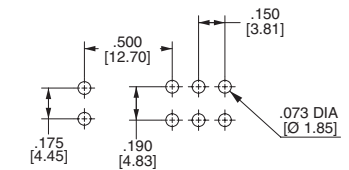
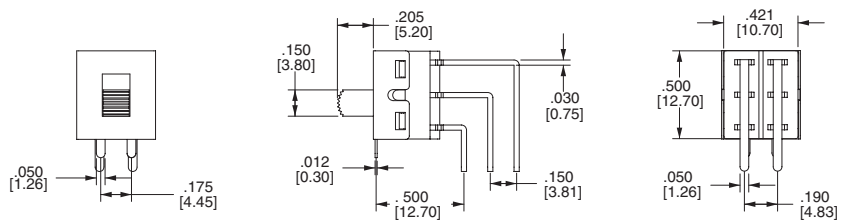
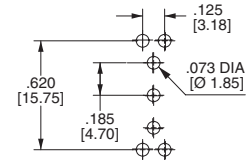
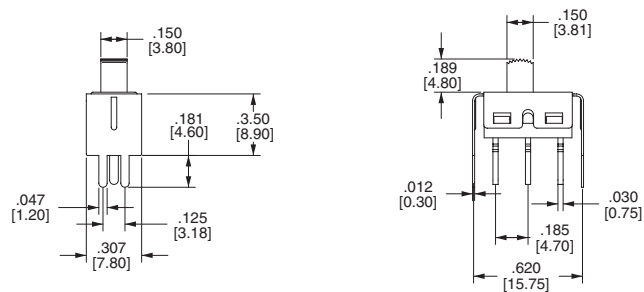
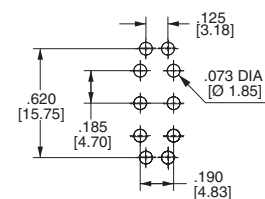
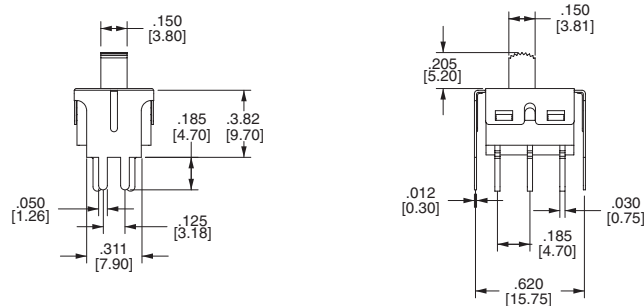
4M1-Series Dimensional Specifications: in. [mm]
ACTUATOR

S1 	S2 	S3 	S4 
S5 (For DPDT Only) 	S6 	S7 	T1 (For DPDT Only) 

TERMINATION

M1 STANDARD  THK .030 [0.75]	M2  THK .030 [0.75]	M3 QUICK CONNECT  THK .030 [0.75]	M5  THK .030 [0.75]	<table><tr><th>OPTION CODE</th><th>DIM. "A"</th></tr><tr><td>M5-1</td><td>.750 [19.05]</td></tr><tr><td>M5-2</td><td>.964 [24.48]</td></tr><tr><td>M5-3</td><td>.425 [10.80]</td></tr><tr><td>M5-4</td><td>1.062 [26.97]</td></tr></table>	OPTION CODE	DIM. "A"	M5-1	.750 [19.05]	M5-2	.964 [24.48]	M5-3	.425 [10.80]	M5-4	1.062 [26.97]
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M5-2	.964 [24.48]													
M5-3	.425 [10.80]													
M5-4	1.062 [26.97]													

SINGLE POLE

DOUBLE POLE

M6

SINGLE POLE

PC MOUNTING

DOUBLE POLE

PC MOUNTING


4M1-Series Dimensional Specifications: in. [mm]
TERMINATION
M7
SINGLE POLE
PC MOUNTING

DOUBLE POLE
PC MOUNTING

VS2
SINGLE POLE
PC MOUNTING

DOUBLE POLE
PC MOUNTING




ООО «НИОКРсистемс» - это оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов. Реализуемая нашей компанией продукция насчитывает более полумиллиона наименований.

Благодаря этому наша компания предлагает к поставке практически не ограниченный ассортимент компонентов как оптовыми, мелкооптовыми партиями, так и в розницу.

Благодаря развитой сети поставщиков, помогаем в поиске и приобретении экзотичных или снятых с производства компонентов.

Наша компания это:

- Гарантия качества поставляемой продукции
- Широкий ассортимент
- Минимальные сроки поставок
- Техническая поддержка
- Подбор комплектации
- Индивидуальный подход
- Гибкое ценообразование
- Работаем по 275 ФЗ