

Foot switch Product Checklist

Type	Shape	Model	Contact Structure	Pattern	Action		Rated Value	Features	Major Applications	Product Introduction Page
					Instantaneous	Intermittent				
Uni-versal type		SF-1	1c	Basic type	●		AC250V 10A	<ul style="list-style-type: none"> ● A flagship product emphasizing on both comfort and firmness. ● Long service life and high precision; improved safety performance with protection of insulation rubber soft wire protection. ● Z type micro switch and locking button switch are adopted as built-in switch. 	Various types of operating machinery and equipment, woodworking machine, testing machine, etc.	4
		SF-2	2c	Two-loop type	●		AC250V 6A			
		SF-1H	1a	Basic type		●	AC250V 6A			
		SF-1HN	1a	Basic type		●	AC250V 5A			
Uni-versal popular type		SFZ-1	1c	Basic type	●		AC250V 10A	<ul style="list-style-type: none"> ● Reasonable switch installation design. ● A high quality product with low price. ● Z type micro switch and locking button switch are adopted as built-in switch. 	Various types of operating machinery, oil press., woodworking machine, measuring instrument, testing machine, etc.	
		SFZ-1H	1a	Basic type		●	AC250V 6A			
		SHZ-1-2	1c x 2	Two-link type	●		AC250V 10A			
Uni-versal small type		SFL-1	1c	Basic type	●		AC250V 6A	<ul style="list-style-type: none"> ● A small size product with firm structure. ● Inclined design for stamping, no fatigue even after long hours of operation. ● Z type and S type micro switches are adopted as switch. 	Various types of wood-working machine, measuring instrument, testing machine, domestic machine and equipment, education instrument, sound equipment, communication equipment, etc.	5
		SFL-1H	1a	Basic type		●	AC250V 3A			
		SFL-1-2	1c x 2	Two-link type	●		AC250V 6A			
		SFVA-1	1c	Back stamp type	●		AC250V 6A	<ul style="list-style-type: none"> ● Reasonable size and design provide excellent shock and vibration resistance performance. ● Thin back stamp structure design to facilitate stamping and reduce fatigue. ● Two linkage products (SFVA-1-2) are also available. 	OA equipment, medical electronic device, measuring instrument, electronic application equipment, sound equipment, sewing machine, etc.	
		SFVA-1-2	1c x 2	Two-link type	●		AC250V 6A			
		SFE-1-2	1c x 2	Two-link type	●		AC250V 6A	<ul style="list-style-type: none"> ● A two linkage product with thin back stamp structure design, no fatigue even after long hours of operation. ● Steel plate with anti-slip rubber mat used at the bottom achieves the small-size and lightweight design and guarantees safe operation. 		
Uni-versal mini type		SFK-1	1c	Basic type	●		AC250V 6A	<ul style="list-style-type: none"> ● Small size, light weight. ● Economical design with resin as raw material. ● Z type and S type micro switches are adopted as switch. ● Back stamp structure design (SFKB-1). ● Anti-slip rubbers fixed at the bottom, light weight and stable. ● Water-proof 2-level design is also available (SFKB-2DW). 	Various types of OA equipment, measuring instrument, medical equipment, domestic machine and equipment, etc.	6
		SFK-1H	1a	Basic type		●	AC250V 3A			
		SFKF-1	1a	Basic type	●		AC250V 6A			
		SFKB-1	1a	Back stamp type	●		AC250V 6A			
		SFO-1	1a	Basic type	●		AC250V 6A	<ul style="list-style-type: none"> ● Base plate design makes the product light weight and safe to operate. ● Two-linkage V shape installation, operate with heel as pivot to reduce fatigue. ● Four jacket colors (red, black, green and white) are available. 	Medical equipment, OA equipment, precision instrument, measuring instrument, entertainment and electronic machine, etc.	7
		SFO-1-2	1a x 2	Two-link type	●		AC250V 6A			
Round switch series		SFU-1	1c	360° type	●		AC250V 6A	<ul style="list-style-type: none"> ● Simple and unique design. ● Allow 360° all direction operation; A multifunctional series that can be operated by hand, foot, knee and other part of body. ● Two jacket colors (red and black,) are available. 	Electronic application equipment, sewing machine, medical electronic device, measuring instrument, OA equipment, domestic machinery and equipment, sound equipment, education instrument, entertainment equipment, etc.	
		SFU-1-2	1c x 2	Two-link type	●		AC250V 6A			
Thin pocket size series		SFT-1	1a	360° type	●		AC125V 5A	<ul style="list-style-type: none"> ● A super slim and light weight mini switch. ● Allow 360° all direction operation. ● Simple and fashionable design, also suitable for home and office use. ● Three jacket colors (red, black and white) are available. 	Household automation, entertainment equipment, medical equipment, precision equipment, etc.	
		SFT-1-2	1a x 2	Two-link type	●		AC125V 5A			
Round pocket size series		SFQ-1	1a	360° type	●		AC250V 6A	<ul style="list-style-type: none"> ● Diversified types, 360° all direction operation, 2 linkage, 3 linkage, etc. ● ON, OFF operation, which can also be used as a switch. ● A multifunctional series that can be operated by foot, knee and other part of body. ● Six jacket colors (red, black, white, yellow, blue and green) are available. 	Electronic application equipment, medical electronic device, OA equipment, sound equipment, measuring instrument, domestic machinery and equipment, education instrument, operating machinery, etc.	8
		SFQ-1-2	1a x 2	Two-link type	●		AC250V 6A			
		SFQ-1-3	1a x 3	Three-link type	●		AC250V 6A			
Low voltage feeble current type		SFKS-1	1c	Basic type	●		Standard rating AC 250V 3A. For SFVS-1 and SFVS-1-2, the rated value is AC 100V, <2A	<ul style="list-style-type: none"> ● Low voltage feeble current foot switch independently developed by our company. ● Ideal for sequencer, metering and measuring instrument, computer, etc. ● Especially suitable for switch of medical equipment; a trustable product. 	Medical equipment, sequencer, metering and measuring instrument, sound equipment, OA equipment, education instrument, etc.	9
		SFOS-1	1a	Basic type	●					
		SFOS-1-2	1a x 2	Two-link type	●					
		SFVS-1	1c	Back stamp type	●					
		SFVS-1-2	1c x 2	Two-link type	●		Feeble rating DC6V 5mA DC12V 2mA DC24V 1mA			
		SFQS-1	1a	360° type	●					
		SFUS-1	1c	360° type	●					
		SFTS-1	1a	360° type	●					
SFP-1	1a	Basic type	●		DC24V 50mA					

Type	Shape	Model	Contact Structure	Pattern	Action		Rated Value	Features	Major Applications	Product Introduction Page
					Instantaneous	Inter-active				
Industry use full protection jacket type		SFMS-1	1c	Pedal type	●		AC250V 10A	<ul style="list-style-type: none"> ● Full protection design to prevent mis-operation caused by external shock and dropped items. ● Firm structure capable of bearing the weight of safety boot. ● Shock-proof design with rubber sticking. ● Front lifting cover design capable of preventing mis-operation. ● Equipped with our independently developed locking device. No pedal operation is possible if no foot is inserted. 	Forge press, cutting machine, operating machinery, industry machine and equipment, etc.	10
		SFMS-2	2c	Two-loop type	●		AC250V 6A			
		SFMS-1G	1c	Pedal type	●		AC250V 10A			
		SFMS-1SG	1c	Pedal type	●		AC250V 10A			
		SFD-1	1c	Pedal type	●		AC250V 10A			
		SFD-2	2c	Two-loop type	●		AC250V 6A			
Industry use no protection jacket type		SFMP-1	1c	Pedal type	●		AC250V 10A	<ul style="list-style-type: none"> ● Most suitable for industries to improve productivity. ● Simple pedal stamp-in design. ● Built-in switch protection design. 	Automation production line of various types of operating machinery and equipment, etc.	11
		SFMP-2	2c	Two-loop type	●		AC250V 6A			
Industry use half protection jacket type		SFM-1	1c	Pedal type	●		AC250V 10A	<ul style="list-style-type: none"> ● Half protection design to prevent mis-operation caused by external shock and dropped items. ● Built-in switch protection design. ● Equipped with our independently developed locking device. No pedal operation is possible if no foot is inserted. 	Various types of operating machinery, cargo carrier, automation production line, etc.	11
		SFM-2	2c	Two-loop type	●		AC250V 6A			
		SFM-1HN	1a	Pedal type		●	AC250V 5A			
		SFM-1SG	1c	Pedal type	●		AC250V 10A			
Industry use three-level foot switch		SFMS-2TPG	2a action banned	Three-level pedal type (OFF ON OFF)	●		AC125V 1A	<ul style="list-style-type: none"> ● OFF-ON-OFF three level foot switch of ergonomic design. Even if the pedal is stamped on intensely, the output is OFF, so as to stop operation. ● Equipped with our independently developed special level device consists of loop and spring (patent pending). 	Descending instructions of forge press braking, ascending and descending instructions of aerial lift vehicle (construction equipment), boost voltage instruction of spot welding, descending instruction of cutting machine, etc.	12
		SFMS-2TP			●		AC125V 1A			
		SFM-2TP			●		AC125V 1A			
		SFMP-2TP			●		AC125V 1A			
Water-proof type (P x 7)		SFA-1W	1a	Basic type	●		DC5 ~ 30V 100mA	<ul style="list-style-type: none"> ● Water-proof design, capable of operating in normal status even water or sterilizing fluid is poured on. ● Shaft-less simple design ideal for medical environment. ● No fatigue after operation of long hours. ※ SFA-2W is not a CE certified product. 	Medical equipment (observation room, hospital bed, etc.), OA equipment, precision instrument, measuring instrument, etc.	14
		SFA-2W	2a	Two-loop type	●		DC5 ~ 30V 100mA			
	SFA-1W-2	1a x 2	Two-link type	●						
		SFKB-2DW	2a	Two-level pedal type	●		Above DC5V 1mA			
Water-proof type (built-in switch protection feature --- P67)		SF-1W	1c	Basic type	●		AC250V 3A	<ul style="list-style-type: none"> ● Water-proof design resistant to external environment. ● V type micro switch complying with IEC IP 67 is adopted as built-in switch. ● Built-in switch is encapsulated with resin, insulation rubber soft wires are molded together with external resin cover to achieve excellent anti-soaking performance. ● Seven models of different applications suitable for different sectors from industry to precision instrument respectively. 	Car washing equipment, shipping machinery, water sprayer, oil press, forge press, welding machine, woodworking machine, medical equipment, sanitary equipment, photographic equipment, office equipment, education equipment, testing machine, optical equipment, domestic machine and equipment, etc.	15
		SFU-1W	1c	360° type	●		AC250V 3A			
		SFKF-1W	1c	Basic type	●		AC250V 3A			
		SFMS-1W	1c	Pedal type	●		AC250V 3A			
		SFM-1W	1c	Pedal type	●		AC250V 3A			
		SFMP-1W	1c	Pedal type	●		AC250V 3A			
		SFQ-1W	1a	360° type	●		AC250V 3A			
Switch input support		SFQ-1UL	1a	360° type	●		AC250V 5A	<ul style="list-style-type: none"> ● Parts and materials are products with UL certification. ● Can be assembled to machines exported to US. ● Water-proof models with high trustability and anti-soaking micro switch. 	Medical equipment, measuring instrument, equipment exported to US	16
		SFQ-1WUL	1a	Water-proof type	●		AC250V 3A			
Universal type		SPS-1	1a	360° type	●		DC30V 1A <u>Feeble rating</u> DC6V 5mA DC12V 2mA DC24V 1mA	<ul style="list-style-type: none"> ● Connect to welfare equipment, switch used to support input signal. ● Can be combined with latch port, call device and PC port component; people with disabilities can use with ease. 	Welfare equipment	17

Waterproof Type

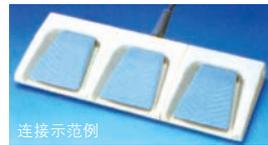
■ SFA series

- Water-proof design, capable of operating in normal status even water or sterilizing fluid is poured on.
- Shaft-less simple design ideal for medical environment.
- No fatigue after operation of long hours.
- Can be equipped with a button switch. (※)
- Cables can be extended from the back. (※)
- Protection structure IP×7
- (※) Please consult the nearest business office.

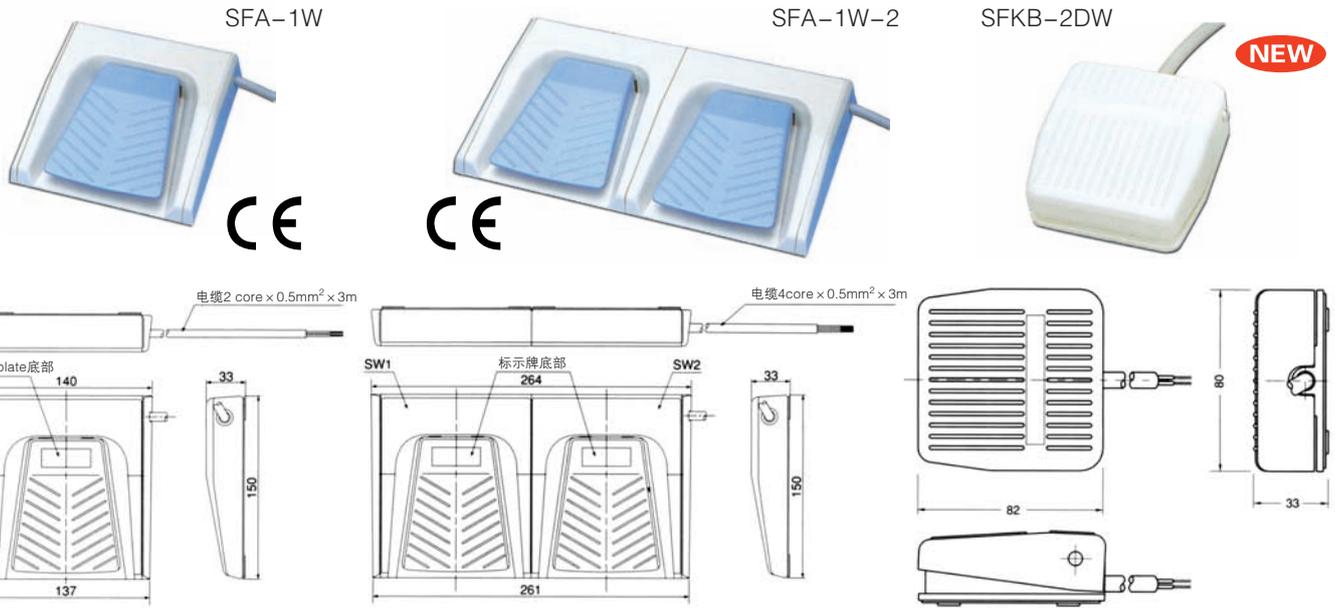
■ For SFKB-2DW, pay attention as follows:

- Two-level stamping design, ideal for two-level action switch.
 - Water-proof design, focus on adaptability to surrounding environment.
 - Back stamping design pursuing excellent operation performance.
- SFA-2W is not a CE certified product.

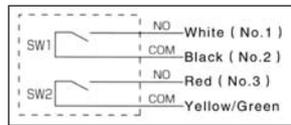
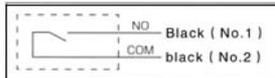
The following is the locked type two linkage, three linkage and four linkage foot switch with clear connection.



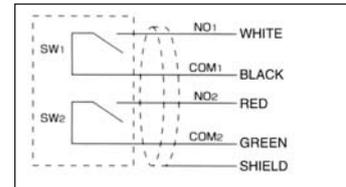
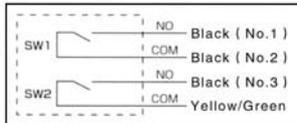
Patent Pending
No reconnection is possible after purchase. The three linkage and above products are customized. Please consult relevant business office.



● SFA-1W



● SFA-2W



■ Major Parameters

Model	Rating	Contact Structure	Action		Insulation Rubber Soft Wire	Action Force (N)	Built-in Switch	Weight (g)	
			Instantaneous	Interactive					
SFA-1W	Standard rating: DC5~30V100mA (resistance load) Feeble rating: DC6V 5mA (resistance load) DC12V 2mA (resistance load) DC24V 1mA (resistance load)	1a	●		CE、UL 2 core × 0.5mm ² × 3m	9.8	Water proof S type micro switch IP 67	510	
SFA-2W		2a	●		CE、UL 4 core × 0.5mm ² × 3m				600
SFA-1W-2		1a × 2	●						960
SFKB-2DW	Standard rating: below AC100V 3A Feeble rating: above DC5V 1mA (resistance load)	1a × 2	●		MVVS 4 core × 0.5mm ² × 1.5m	Stage 1: above 15N, Stage 2: above 30N	Water proof V coated micro switch IP 67	320	

■ Major Raw Materials

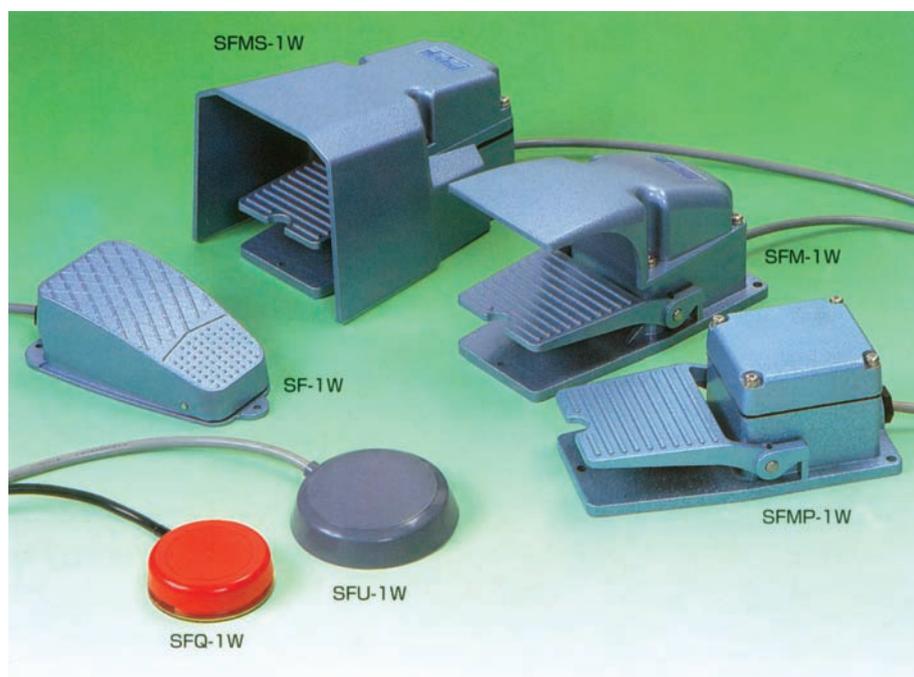
Model	Main Body/ Protection Cover	Return Spring	Transmission Shaft	Bottom Plate	Color/ Paint Color
SFA-1W	PTB resin	SUS (Stainless steel)	-	SUS304	Pedal: blue (equivalent to 10B7/6*) Base: milky (equivalent to 5Y9.3/1.1*)
SFA-2W			-		
SFA-1W-2			-		
SFKB-2DW	ABS resin	SWP(Piano wire)	SS400(Steel)	SPCC	Protection cover: gray, Main body: gray (equivalent to N-8.5)

[Universal Parameters]

- Insulation resistance/ over DC500V 100MΩ.
- Voltage withstanding/ AC1500V /min (AC500V /min for SFKB-2DW).
- Ambient temperature: 10~40°C (-5~40°C for SFKB-2DW).
- Ambient relative humidity/ 30~75%RH.

*Refer to R version standard color card published by Japan Paint Manufacturers Association.

Water Proof Type



- SF-1W、SFU-1W
SFKF-1W、SFMS-1W、
SFM-1W、SFMP-1W、
SFQ-1W

Water proof V type micro switch with protection level of IP-67 according to IEC specifications is used as built-in switch.

SFQ-1W is not suitable for environment with considerable foreign matters such as dust and soil (equivalent to IP20).

Please contact us for environment of use.

Major Parameters

Model	Rating	Contact Structure	Action	Insulation Rubber Soft Wire	Action Force (N)	Built-in Switch	External Dimensions	Weight (g)				
			Instantaneous									
SF-1W	AC250V 3A	1c	●	VCFT 3 core × 0.75mm ² × 3m	24.1	Water proof V type micro switch with gold plating contact	The same as SF-1	640				
SFU-1W			●						VCFT 3 core × 0.75mm ² × 2m	11.7		
SFKF-1W			●								VCFT 3 core × 0.75mm ² × 3m	9.8
SFMS-1W			●	VCFT 3 core × 0.75mm ² × 3m	28.4				The same as SFMS-1	1600		
SFM-1W			●								The same as SFM-1	1200
SFMP-1W			●									
SFQ-1W		●	1a								VCFT 2 core × 0.75mm ² × 2m	8.8

Major Raw Materials

Model	Main Body/ Protection Cover	Return Spring	Transmission Shaft	Sealing Screw Cap	Bottom Plate	Color/ Paint Color
SF-1W	Aluminum alloy die casting	SUS (Stainless steel)	SUS (Stainless steel)	Aldehyde resin	-	Blue Newton, equivalent to R22-706*
SFU-1W	ABS resin/ Ethylene vinylacetate copolymer		-	-	Brass with Ni plating	Gray
SFKF-1W	ABS resin	SWP (Piano wire)	SS400 (steel)	-	SPCC (Steel plate)	Black
SFMS-1W	Aluminum alloy die casting	SUS (Stainless steel)	SUS (Stainless steel)	Aldehyde resin	-	Blue Newton, equivalent to R22-706*
SFM-1W						
SFMP-1W						
SFQ-1W	ABS resin	-	-	-	SPCC (Steel plate)	Black or red

[Universal Parameters]

- Insulation resistance/ over DC500V 100MΩ.
- Voltage withstanding/ AC1500V /min.
- Ambient temperature: -5-40°C (0-40°C for SFU-1W).
- Ambient relative humidity/ below 85%RH.

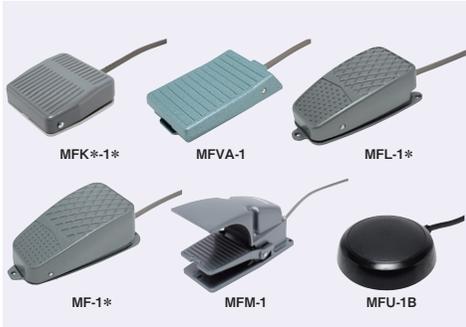
*Refer to R version standard color card published by Japan Paint Manufacturers Association.

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IP30

IP50

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ご注意

- ・モーターは定格の5～10倍、ランプは10～15倍、ソレノイドは数倍から20倍前後等、機器によっては電源スイッチ投入時、大きな始動電流が流れる場合があります。これらの機器に接続して使用される場合、負荷の内容、回路構成等をご確認の上お選びください。
- ・定格以上の電流が流れる場合は、必ず電磁閉閉器等を用いてご使用ください。
- ・MFKS-1 (低電圧微小電流タイプ)は電安法PSEの対象外です。
- ・定格電源DCはニニマム値となります。



Order
注文例

型番
MFK-1



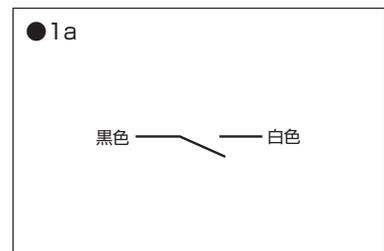
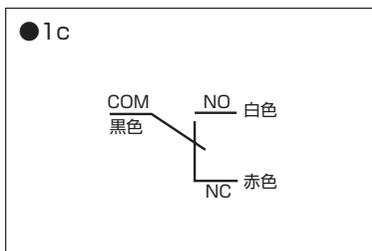
1個単位

型番	サイズ					踏部 素材	形状	接点	動作	定格		ヒンジ	保護 構造	¥通常単価							
	小さい ⇄ 大きい		汎用	大型	薄型					AC	DC 微小電流			¥スライド単価							
	ミニ	小型												1～4個	5～9個	10～19個	20個～				
MFK-1	●	—	—	—	●	樹脂	角形	1c	モメンタリ	●	—	後	IP30	2,300	2,185	2,070	1,970				
MFKS-1	●	—	—	—	●			1a	オルタネイト	●	●			—	—	2,060	2,040	2,020	2,000		
MFK-1H	●	—	—	—	●			金属	1c	モメンタリ	●			—	前	1,940	1,920	1,900	1,880		
MFVA-1	—	●	—	—	●					1a	オルタネイト			●	—	—	後	1,990	1,970	1,950	1,940
MFL-1	—	●	—	—	—						産業用半カバー付			1c	モメンタリ	●	—	—	2,520	2,500	2,470
MF-1	—	—	●	—	—					1a				オルタネイト	●	—	—	—	3,530	3,353	3,177
MF-1H	—	—	●	—	—	EVA	丸形	1c	モメンタリ	●	—	前	4,180	3,971	3,762	3,450					
MFM-1	—	—	—	●	—			IP50	1c	モメンタリ	●	—	—	6,260	5,947	5,634	4,970				
MFU-1B	—	●	—	—	●	—	—			—	●	—	—	2,020	1,919	1,818	1,650				

詳細仕様

型番	定格	絶縁抵抗 DC500V	耐電圧 AC 1分間	使用周囲温度	使用周囲湿度	動作力 N	使用電線			材質	質量 g
							mm ²	芯数	L寸		
MFK-1	AC250V 6A	100 MΩ 以上	1500 V	-5～ +40℃	85%RH以下	9.8	0.75	3	1.5m	PC	290
MFKS-1	AC250V 3A DC6V 5mA DC12V 2mA DC24V 1mA										
MFK-1H	AC250V 3A										
MFVA-1	AC250V 6A										
MFL-1	AC250V 3A										
MFL-1H	AC250V 3A										
MF-1	AC250V 10A										
MF-1H	AC250V 6A										
MFM-1	AC250V 10A										
MFU-1B	AC250V 6A										

電線配色



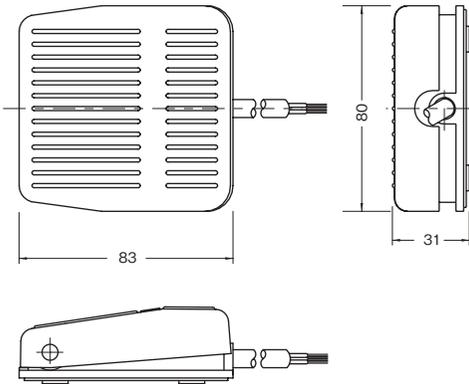
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フットスイッチ MFシリーズ

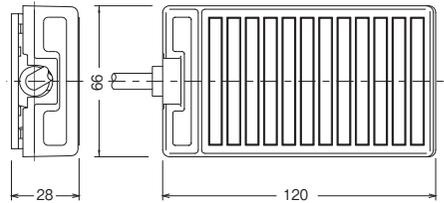
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外形図

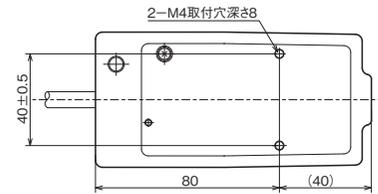
MFK*-1*



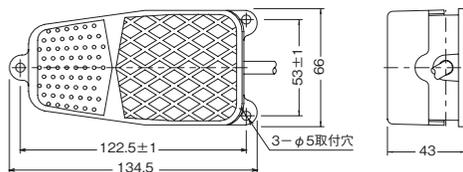
MFVA-1



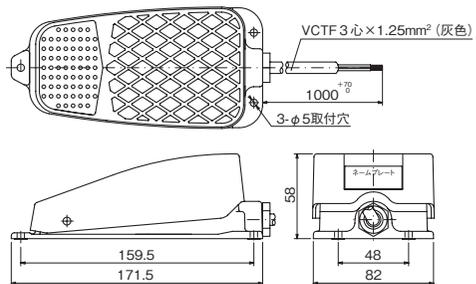
●取付図(底面)



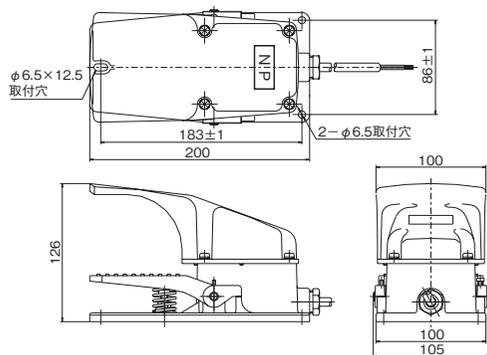
MFL-1*



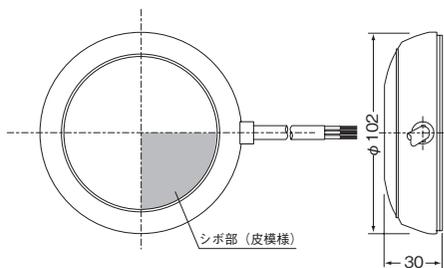
MF-1*



MFM-1



MFU-1B



押しボタン

非常停止・安全スイッチ

セレクトスイッチ

ロックスイッチ

トグルスイッチ

スライドスイッチ

スイッチユニット

フットスイッチ

レバースイッチ

その他スイッチ

テープスイッチ

スイッチ用ツマミ

保護/スイッチカバー

スイッチガード

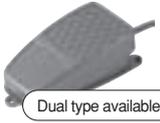
スイッチ用銘板

スイッチ周辺部品

Foot Switches

When selecting a foot switch, please fully examine the proper model, structure, rating, and the electrical characteristic in accord with the intended use, and confirm if it fits the operating condition.

For General Use

Series name / Appearance	Line-up	Type name	Action		Contact structure	Safety structure	General mass (kg)
			Momentary	Alternate			
 <p>Resin mini type KFK series</p> <p>It is a small and light type with the body made of resin. We also have an ABS resin economical type with a simplified internal circuit and a back depression type available.</p>	Basic type	KFK1	●	—	1c	—	0.27
	Retaining type	KFK1H	—	●	1a	—	0.26
	ABS resin type	KFKF1	●	—	1a	—	0.25
	Back depression type	KFKB1	●	—	1a	—	0.27
 <p>Round type KFU series</p> <p>This round-shaped unique product can be operated from any degree of 360°, best to work with feet, hands, and knees.</p> <p>Dual type available Waterproof type available</p>	Basic type	KFU1R	●	—	1c	—	0.32
	Cover red	KFU1B	●	—	1c	—	0.32
	Waterproof type	KFUW1	●	—	1c	IP53 ^{Note}	0.39
	Dual type	KFU1-2	●	—	1cX2	—	0.97
 <p>Compact round type KFQ series</p> <p>Compact type of round KFU series.</p>	Basic type	KFQ1R	●	—	1a	—	0.2
	Cover red	KFQ1B	●	—	1a	—	0.2
 <p>Standard type KF series</p> <p>User-friendly, solid, and orthodox type.</p> <p>Waterproof type available</p>	Basic type	KF1	●	—	1c	—	0.51
	2-circuit type	KF2	●	—	2c	—	0.6
	Retaining type	KF1H	—	●	1a	—	0.47
	Waterproof type	KFW1	●	—	1c	IP25 ^{Note}	0.64
 <p>Popular type KFZ series</p> <p>Economical and practical type.</p>	Basic type	KFZ1	●	—	1c	—	0.45
	Retaining type	KFZ1H	—	●	1a	—	0.45
 <p>Small type KFL series</p> <p>Miniaturized type of standard KF series.</p> <p>Dual type available</p>	Basic type	KFL1	●	—	1c	—	0.3
	Dual type	KFL1-2	●	—	1cX2	—	2.0
 <p>Thin Type KFVA series</p> <p>Thin, easy to tread, back depression type.</p> <p>Dual type available</p>	Back depression type	KFVA1	●	—	1c	—	0.26
	Dual type	KFVA1-2	●	—	1cX2	—	1.1

Note: The safety structure of internal switch is IP67.

For industrial use

Series name / Appearance	Line-up	Type name	Action		Contact structure	Safety structure	General mass (kg)
			Momentary	Alternate			
 <p>No guard type KFM series KFM series without guard frame.</p>	Basic type	KFMP1	●	—	1c	—	0.88
	 <p>With protection frame KFM series Type with protection frame (half guard) to prevent malfunction due to falling objects, etc. Waterproof type available</p>	Basic type	KFM1	●	—	1c	—
Waterproof type		KFMW1	●	—	1c	IP25 ^{Note}	1.2
2-circuit type		KFM2	●	—	2c	—	1.2
 <p>With safety protection frame KFMS series Type with protection frame (full guard) to prevent malfunction due to falling objects, external impacts, etc. Waterproof type available</p>	Basic type	KFMS1	●	—	1c	—	1.5
	Waterproof type	KFSW1	●	—	1c	IP25 ^{Note}	1.6
	2-circuit type	KFMS2	●	—	2c	—	1.6

Note: The safety structure of internal switch is IP67.

For Minute Currency

Series name / Appearance	Line-up	Type name	Action		Contact structure	Safety structure	General mass (kg)
			Momentary	Alternate			
 <p>Thin metal clad contact KFVS series It is a thin, AU clad contact model of the KFVA series with a back depression structure.</p>	Basic type	KFVS1	●	—	1c	—	0.26
	 <p>Ultra thin mechanical key switch The type with an internal switch built in with a mechanical switch for low voltage minute currency.</p>	Basic type	KFP1BL	●	—	1a	—

Note: Waterproof type KFUV1, KFW1, KFMW1, KFSW1 can also be used for minute currency.

Common Specifications

Insulation resistance	100MΩ or more (DC500V Megger)	Ambient temperature	-5°C to 40°C (KFC series should be 0°C to 40°C) Must be free of ice or condensation.
Withstand voltage	AC1500V 1 minute	Relative humidity	45% to 85%
Contact resistance	50mΩ or less	Compliance standard	Electrical Appliance and Material Safety Law compliant products 

Material

Type name	Body/Cover material	Body/Cover color	Type name	Body/Cover material	Body/Cover color
KFK1	Polycarbonate	Green (5BG4/1 equivalent)	KFZ1	Aluminum alloy die castings	Blue-green (7.5BG4/1.5 approx.)
KFK1H	Body: ABS resin Cover: Polycarbonate		KFZ1H		
			KFL1		
KFKF1	ABS resin	Black (N-1.0 equivalent)	KFL1-2		Blue new tone (5B5/4 approx.)
KFKB1			KFVA1		
KFU1R	Body: ABS resin	Red (7.5R4/14 equivalent)	KFVA1-2		Blue-green (7.5BG4/1.5 approx.)
KFU1B	Cover: Ethylene vinyl acetate copolymer	Black (N-1.0 equivalent)	KFMP1		
KFU1-2		Red, Black	KFM1		
KFUW1		Grey (N-6.0 equivalent)	KFM2		Blue new tone (5B5/4 approx.)
KFQ1R	ABS resin	Red (7.5R4.5/14 equivalent)	KFMW1		
KFQ1B		Black (N-1.0 equivalent)	KFMS1		Blue-green (7.5BG4/1.5 approx.)
KF1	Aluminum alloy die castings	Blue-green (7.5BG4/1.5 approx.)	KFMS2		
KF1H			KFSW1		
KF2			KFVS1		Blue new tone (5B5/4 approx.)
KFW1		Blue new tone (5B5/4 approx.)	KFP1BL	Polycarbonate	Blue (2.5PB35/10 equivalent)