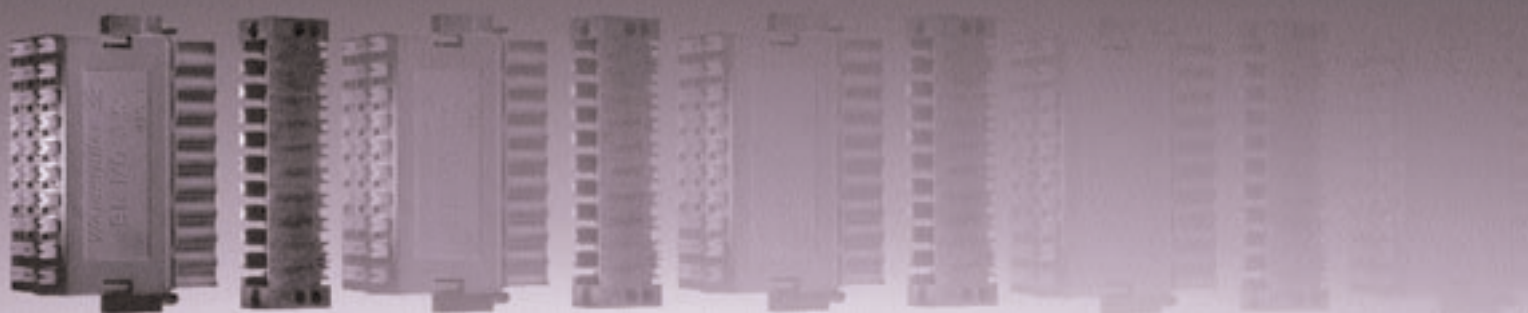


PCB-COMPONENTS
PCB-COMPONENTS



CATALOGUE 2002/03 CATALOGUE 2002/03
CATALOGUE 2002/03
CATALOGUE 2002/03

CATALOGUE SECTION

GSF 5

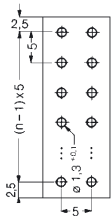
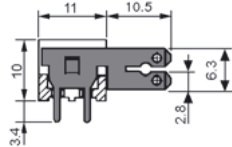
When good enough just isn't good enough

Weidmüller 

Push-on Tab Connection



GSF 5/90



Technical Data		VDE	UL	CSA
Rated voltage	V*	200	300	300
Rated current	A	14	8	10
Clamping range max.	mm ² /AWG	2.5	-	-

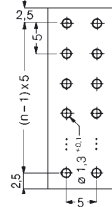
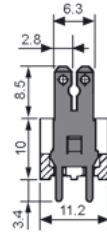
*Overvoltage category III / Pollution severity 3
Additional technical data see page 61

Solder pin length **3.4 mm**



Colour			
Poles	Type	Cat. No.	Qty.
2	GSF5/2/90	0496760000	100
3	GSF5/3/90	0496860000	100
4	GSF5/4/90	0496960000	100
5	GSF5/5/90	0497060000	50
6	GSF5/6/90	0497160000	50
7	GSF5/7/90	0497260000	50
8	GSF5/8/90	0497360000	50
9	GSF5/9/90	0497460000	50
10	GSF5/10/90	0409460000	100

GSF 5/180



Technical Data		VDE	UL	CSA
Rated voltage	V*	200	300	300
Rated current	A	14	8	10
Clamping range max.	mm ² /AWG	2.5	-	-

*Overvoltage category III / Pollution severity 3
Additional technical data see page 61

Solder pin length **3.4 mm**



Colour			
Poles	Type	Cat. No.	Qty.
2	GSF5/2/180	0490860000	100
3	GSF5/3/180	0490960000	100
4	GSF5/4/180	0491060000	100
5	GSF5/5/180	0491160000	50
6	GSF5/6/180	0491260000	50
7	GSF5/7/180	0491360000	50
8	GSF5/8/180	0491460000	50
9	GSF5/9/180	0491560000	50
10	GSF5/10/180	0409360000	100

Accessories	Page
Marking	-
Fixing	-
Miscellaneous	-

Accessories	Page
Marking	-
Fixing	-
Miscellaneous	-

Materials		GSF 5		
Insulation material		PA 66		
Colour ¹⁾		orange		
Temperature range	°C	-20... +100		
Flammability class.	UL94	V-2		
Contact base material		CuZn		
Contact plating		tin-plated		
System characteristic values				
Pitch	mm	5.00		
Connection method		puch-on tab connection		
Solder pin length	mm	3.4		
PCB hole diamter	Ømm	1.3 ^{+0.1}		
Insulation stripping length	mm	-		
Clamping screw	M	-		
Insulation resistance	MΩ	≥ 10 ³		
Through resistance	mΩ	≤ 1.2		
Torque	Nm	-		
Conductor size				
Clamping range	mm ²	0.25... 2.5		
"e" solid H05(07) V-U	mm ²	-		
"f" flexible H05(07) V-K	mm ²	0.25... 2.5		
"f" with ferrule to DIN 46228/1	mm ²	-		
... with plastic collar to DIN 46228/4	mm ²	-		
Gauge to EN 60999	mm (size)	-		
VDE 0110 1.89 rated data				
Rated cross-section to EN 60999	mm ²	2.5		
Rated current ³⁾	A	14		
Overvoltage category / Pollution severity		III/3	III/2	II/2
Rated voltage	V	200 ⁴⁾	400	630
Impulse voltage	kV	4.0	4.0	4.0
UL rated data				
Rated voltage, industrial	V~	300		
Rated current	A	8		
AWG conductor (field wiring)		-		
CSA rated data				
Rated voltage, industrial	V~	300		
Rated current	A	10		
AWG conductor (field wiring)		-		
Application notes				
1) additional colours on request		Ordering data: page 37		
3) referred to 20°C ambient temperature, rated cross-section and number of poles				
4) mit Isolierhülse IH 6.3				

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmüller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

Accessories Selection Matrix

		Marking systems	LED holders and marker carrier	Fuse and disconnect elements	Fixing blocks	Cross-connections	Adaptor plates	Fixing plates
Rated cross-section	PCB Terminal Accessories	Page 40-42	Page 43	Page 44	Page 45-46	Page 45	Page 46	Page 46
1.5 mm ²	PM 5.08	KSW 4, KSW 2.5						
	MK 8	KSW 2.5						
	MK 7.5	KSW 2.5				LPA QB		
	LM 3.5 all versions	KSW 4, KSW 2.5						
	LM 5.00 all versions	KSW 4, KSW 2.5						
	LM 5.08 all versions	KSW 4, KSW 2.5						
	TOP1.5GS all versions	KSW 2.5			TOP1.5GS BB			
	LMZF 5.08 all versions	KSW 2.5						
2.5 mm ²	LP 5.08/90	DEK 5	LPA FA, LPA FA BZ, LPA BZ	LPA SI, LPA TR	LP BB	LPA QB	LPZP/90	LPHP
	LP 5.00/90	DEK 5			LP BB		LPZP/90	
	LP 7.50/90	DEK 5			LP BB		LPZP/90	
	LP 7.62/90	DEK 5			LP BB		LPZP/90	LPHP
	LP 10.00/90	DEK 5			LP BB		LPZP/90	
	LP 15.00/90	DEK 5			LP BB		LPZP/90	
	LP2N 5.08	DEK 5	LPA BZ		LP BB	LPA QB	LPZP1N LPZP2.54/90	
	LP2N Pitch 5.00, 7.50, 7.62	DEK 5			LP BB		LPZP1N LPZP2.54/90	
	LP2H 5.08	DEK 5	LPA BZ			LPA QB		
	LP2HR 5.08	DEK 5	LPA BZ			LPA QB		
	LP3R 5.08	DEK 5	LPA BZ		LP BB	LPA QB		
	LPP 5.08/90	DEK 5	LPA FA, LPABZ LPA FA BZ	LPA SI, LPA TR	LP BB	LPA QB	LPZP/90	
	LPP/90 Pitch 5.00, 7.50, 7.62	DEK 5	LPA BZ		LP BB		LPZP/90	
	LP1N 5.08	DEK 5	LPA BZ			LPA QB	LPZP1N	
	LP1N 5.00	DEK 5						
	LP1H 5.08	DEK 5	LPA BZ			LPA QB		
	LP/135 all pitches	DEK 5				LPA QB ¹⁾	LPZP/135	
	LP/180 all pitches	DEK 5			LP BB	LPA QB ¹⁾	LPZP/90	
	LPZF 5.08/180	KSW 2.5						
	LPTR 5.08/1/90	DEK 5			LP BB		LPZP/90	
4.0 mm ²	LL 9.5	KSW4, KSW 2.5						
	TOP4GS/90 all pitches	S10						
	TOP4GS/180 all pitches	S10						
10.0 mm ²	LU/90 all pitches	KSW4, KSW2.5, DEK 5						
	GSE 10	KSW4, KSW2.5, DEK 5						
25.0 mm ²	LX 15.00	KSW4, KSW2.5, DEK 5						
Accessories		LPA FA BZ, LPA BZ	WS 10/5 a. WS 12/5					
	LPA SI	DEK 5						
	LPA TR	DEK 5, WS 3						

1) only pitch 5.08 mm