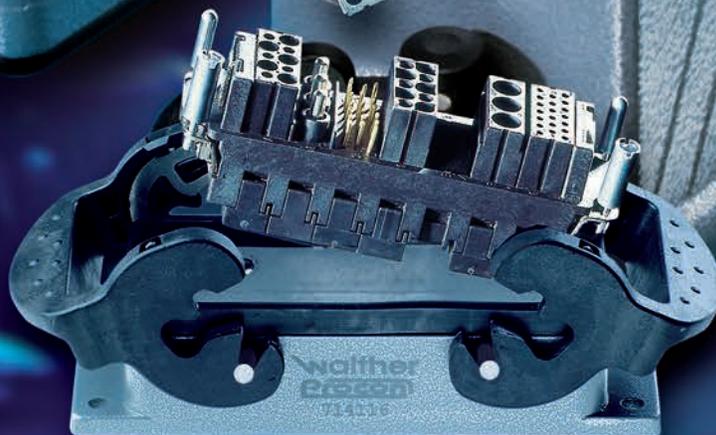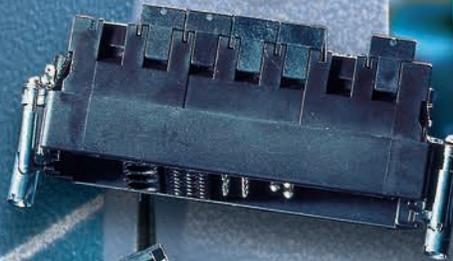# walther
Electrotechnical Systems

Procon Heavy Duty Rectangular Connectors

walther
## Electrotechnical Systems

Walther Electric is an international company that is committed to outstanding service and providing electrical interconnect products and power distribution systems to customers & industries around the world. Walther Corporate Headquarters is located in Eisenberg, Germany with full service subsidiaries in The United States, The United Kingdom, France and Austria. Our "Global Team" is made up of highly respected and industry qualified representative agents in more than 70 countries.

Established in 1897 - and from the very beginning Walther has been known for its progressive engineering and innovative product designs and manufacturing capabilities. All Walther products are designed and manufactured to not only meet but to exceed industry requirements for greater safety and customer performance demand.

Walther Electric's innovative and technical product portfolio includes IEC 60309 Pin & Sleeve interconnect devices, Procon "Heavy Duty" rectangular connectors, power distribution units and systems, motor disconnect and switched safety devices, "e-Mobility" electric vehicle charging interconnect devices and charging stations.

At our North American Headquarters located in Somerset, New Jersey we are proud of our "Engineering and Technical Team" coupled with a talented inside support staff that is always ready to assist you "Our Customer" in the design/specification process and in the manufacturing of "YOUR" power distribution or control system requirements.

When you are in need of quality electrical interconnects, power distribution systems, and industry knowledgeable service, call Walther Electric, *"WE ARE"* your complete solution provider.
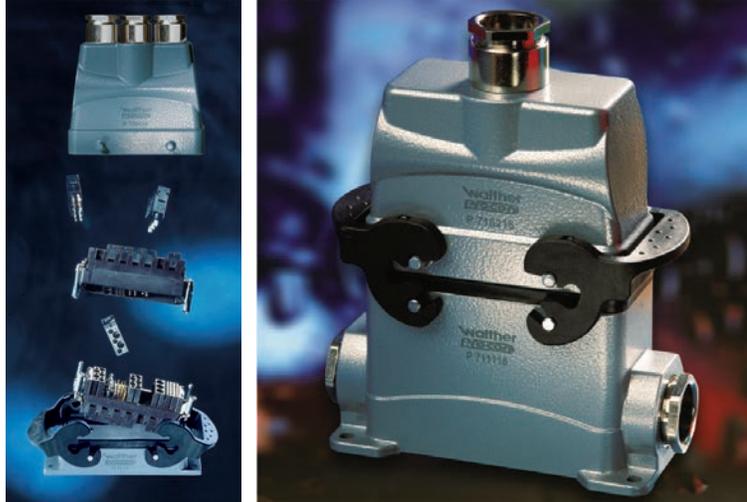
Series B Inserts
16 AMPS / 400V / 600V as per UL-CSA

B Series Screw Terminal Female Insert

6 P+Grd	10 P+Grd	16 P+Grd	24 P+Grd	32 P+Grd	48 P+Grd
FS106	FS110	FS116	FS124	FS116	FS124
				(No. 1-16)	(No. 1-24)
				FS132	FS148
				(No. 17-32)	(No. 25-48)

B Series Screw Terminal Male Insert

6 P+Grd	10 P+Grd	16 P+Grd	24 P+Grd	32 P+Grd	48 P+Grd
MS206	MS210	MS216	MS224	MS216	MS224
				(No. 1-16)	(No. 1-24)
				MS232	MS248
				(No. 17-32)	(No. 25-48)

IDC Female Insert
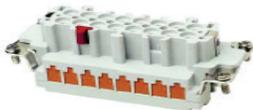
6 P+Grd	10 P+Grd	16 P+Grd	24 P+Grd	32 P+Grd	48 P+Grd
71010601	71011001	71011601	71012401	71011601	71012401
				(No. 1-16)	No. 1-24)
				71013201	71014801
				(No. 17-32)	(No. 25-48)

IDC Male Insert

6 P+Grd	10 P+Grd	16 P+Grd	24 P+Grd	32 P+Grd	48 P+Grd
71020601	71021001	71021601	71022401	71021601	71022401
				(No. 1-16)	(No. 1-24)
				71023201	71024801
				(No. 17-32)	(No. 25-48)

* See page 17 for Crimper.

Series B Inserts
16 AMPS / 400V / 600V as per UL-CSA

c **RU** US ®

Female Crimp Terminal Insert

6 P+Grd	10 P+Grd	16 P+Grd	24 P+Grd	32 P+Grd	48 P+Grd
FC306	FC310	FC316	FC324	FC316	FC324
				(No. 1-16)	(No. 1-24)
				FC332	FC348
				(No. 17-32)	(No. 25-48)

Male Crimp Terminal Insert

MC406	MC410	MC416	MC424	MC416	MC424
				(No. 1-16)	(No. 1-24)
				MC432	MC448
				(No. 16-32)	(No. 25-48)

Crimp Contacts

Wire Gauge AWG (mm)	Identification	Sleeve	Pin
20 AWG (0.5mm)	No Groove	FP2000	MP2000
18 AWG (0.75-1 mm)	1 Groove	FP1800	MP1800
16 AWG (1.5mm)	2 Grooves	FP1600	MP1600
14 AWG (2.5 mm)	3 Grooves	FP1400	MP1400
12 AWG (4.0mm)	No Groove	FP1200	MP1200

* see page 17 for crimp tools

Female Push-in Inserts

6 P+Grd	10 P+Grd	16 P+Grd	24 P+Grd	32 P+Grd	48 P+Grd
71010604	71011004	71011604	71012404	71011604	71012404
				(No. 1-16)	No. 1-24)
				71013204	71014804
				(No. 17-32)	(No. 25-48)

Male Push-in Inserts

6 P+Grd	10 P+Grd	16 P+Grd	24 P+Grd	32 P+Grd	48 P+Grd
71020604	71021004	71021604	71022404	71021604	71022404
				(No. 1-16)	(No. 1-24)
				71023204	71024804
				(No. 17-32)	(No. 25-48)

Series BA Inserts
35 Amps - 400/690V - 600V as per UL-CSA

BA Series Screw Terminal Female Insert

6 P+Grd	12 P+Grd
FS106C	FS112C
(No. 1 - 6)	(No. 7 - 12)
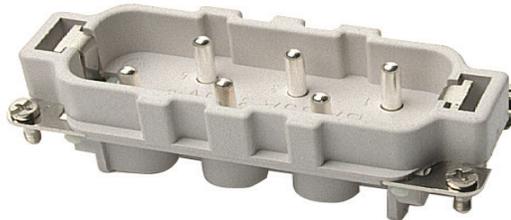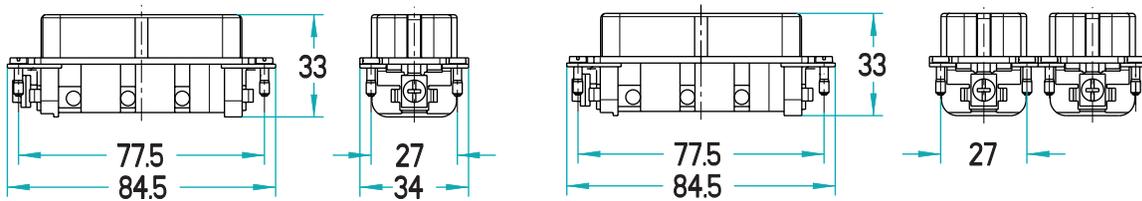
BA Series Screw Terminal Male Insert

MS206C	MS212C
(No. 1 - 6)	(No. 7 - 12)
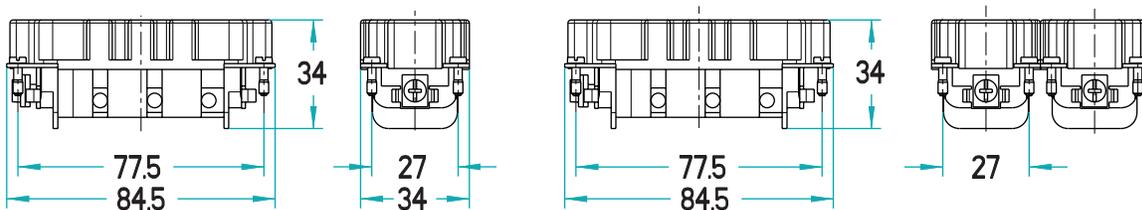
B Series Double Locking Surface Base Mount

Surface Mount Base Without Cover 1 Entry Ports

NPT	B10	B16	B24	B32
1/2"	NABB010			
3/4"	NABB010-075	NABB016	NABB024	
1"	NABB010-100	NABB016-100	NABB024-100	NABB032

Surface Mount Base Without Cover 2 Entry Ports

	B10	B16	B24	B32
1/2"	NABB110			
3/4"	NABB110-075	NABB116	NABB124	
1"	NABB110-100	NABB116-100	NABB124-100	NABB132

Double Locking Panel Mount Housing

Panel Mount Housing

B10	B16	B24	B32
PB110	PB116	PB124	PB132

B Series Double Locking Surface Mount Base With Cover

Surface Mount Base With Cover 1 Entry Port

NPT	B10	B16	B24	B32
1/2"	NABB210			
3/4"	NABB210-075	NABB216	NABB224	
3/4"		NABB216-H	NABB224-H	
1"	NABB210-100	NABB216-100	NABB224-100	NABB232

Surface Mount Base with Cover 2 Entry Ports

	B10	B16	B24	B32
1/2"	NABB310			
3/4"	NABB310-075	NABB316	NABB324	
3/4"		NABB316-H	NABB324-H	
1"	NABB310-100	NABB316-100	NABB324-100	NABB332

Double Locking Panel Mount Housing With Cover

Panel Mount Housing

B10	B16	B24	B32
PB210	PB216	PB224	PB232 or 714232

B Series Double Locking Coupler Hood

Double Locking Coupler Hood

NPT	B10	B16	B24	B32
1/2"	NACH610			
3/4"	NACH710			
3/4"	NACH610-075	NACH616	NACH624	NACH632
1"	NACH610-100	NACH716	NACH724	NACH732
1"		NACH716-H	NACH724-H	

Series B Housings - IP65
16 Amps / 250V / 600V as per UL-CSA

B Series Side Entry Hood Double Locking System

Side entry hood double locking system

NPT	B10	B16	B24	B32
1/2"	NASH010			
3/4"	NASH110			
3/4"	NASH010-075	NASH016	NASH024	NASH032
1"		NASH116	NASH124-L	NASH132
1"	NASH010-100	NASH116-H	NASH124	

B Series Top Entry Hood Double Locking System

Top entry hood double locking system

NPT	B10	B16	B24	B32
1/2"	NATH210			
3/4"	NATH310	NATH216	NATH224	
3/4"	NATH210-075	NATH316	NATH324-L	NATH232
1"	NATH210-100	NATH316-H	NATH324	NATH332

B Series Side Entry Latching Hood Double Locking System

Double locking side entry latching hood

NPT	B10	B16	B24	B32
1/2"	NALH010			
3/4"		NALH016		
3/4"	NALH010-075	NALH016-H	NALH024	NALH032
1"	NALH010-100	NALH116-H	NALH124	NALH132

B Series Top Entry Latching Hood Double Locking System
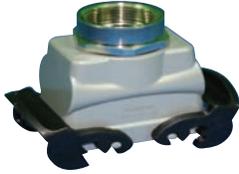
Double locking latching hood

NPT	B10	B16	B24	B32
1/2"	NALH210			
3/4"	NALH210-075	NALH216	NALH224	NALH232
1"	NALH210-100	NALH216-H	NALH324	NALH332
1"		NALH316-H		

B Series Single Locking Wall Mount

Surface mount base without cover 1 entry port

NPT	B6	B10	B16	B24	B48
1/2"	NABB406	NABB410			
3/4"	NABB406-075	NABB410-075	NABB416	NABB424	
1"	NABB406-100	NABB410-100	NABB416-100	NABB424-100	NABB448

Surface mount base without cover 2 entry ports

	B6	B10	B16	B24	B48
1/2"	NABB506	NABB510			
3/4"	NABB506-075	NABB510-075	NABB516	NABB524	
1"	NABB506-100	NABB510-100	NABB516-100	NABB524-100	NABB548

Single Locking Panel Mount Housing Base

Panel Mount Housing

B6	B10	B16	B24	B48	
PB306	PB310	PB316	PB324	PB348	B32 Not available with single lever

B Series Single Locking Surface Mount With Cover

Surface mount base with cover 1 entry port

NPT	B6	B10	B16	B24	B48
1/2"	NABB606	NABB610			
3/4"	NABB606-075	NABB610-075	NABB616	NABB624	
1"	NABB606-100	NABB610-100	NABB616-100	NABB624-100	NABB648

Surface mount base without cover 2 entry ports

	B6	B10	B16	B24	B48
1/2"	NABB706	NABB710			
3/4"	NABB706-075	NABB710-075	NABB716	NABB724	
1"	NABB706-100	NABB710-100	NABB716-100	NABB724-100	NABB748

Single Locking Panel Mount Housing With Cover

Panel Mount Housing

B6	B10	B16	B24	B48	
PB406	PB410	PB416	PB424	PB448	B32 Not available with single lever

Series B Housings - IP65
16 Amps / 250V / 600V as per UL-CSA
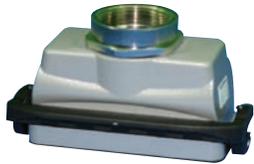
Single Locking Coupler Hood

B Series Single Locking Coupler Hood

NPT	B6	B10	B16	B24
1/2"	NACH806	NACH810		
3/4"	NACH806-075	NACH810-075	NACH816	CH824
1"	NACH806-100	NACH810-100	NACH916	NACH924-L
1"			NACH916-H	NACH924

Side entry hood single locking system

B Series Side Entry Hood Single Locking System

NPT	B6	B10	B16	B2 4	B48
1/2"	NASH606	NASH610			
3/4"	NASH606-075				
3/4"		NASH610-075	NASH616	NASH624	
1"	NASH606-100	NASH610-100	NASH716	NASH724-L	
1"			NASH716-H	NASH724	NASH648
1.25"					NASH748

Top entry hood single locking system

B Series Top Entry Hood Single Locking System

NPT	B6	B10	B16	B24	B48
1/2"	NATH806	NATH810			
3/4"	NATH806-075	NATH810-075	NATH816	NATH824	
1"	NATH806-100	NATH810-100	NATH916	NATH924	
1"			NATH916-H		NATH848
1.25"					NATH948

Series B Screw Down & Bayonet Housings - IP68

Top Entry Screw Locking Hood

Threaded Hole (Metric)	B6	B10	B16	B24
1/2"	7171060V	7171100V		
3/4"	7172060V	7172100V	77172160V	
1"			7173160V	7173240V
1 1/4"				7174240V

Side Entry Screw Locking Hood

Threaded Hole (Metric)	B6	B10	B16	B24
1/2"	7175060V	7175100V		
3/4"	7176060V	7176100V	7176160V	
1"			7177160V	7177240V
1 1/4"				7178240V

Flange Set, For Screw Mountable Hoods

Part Number

717001 FS

Protective Cover For Screw Flange Set

B6	B10	B16	B24
717702	717703	717704	717705

Protective Cover For Screw Mountable Hoods

B6	B10	B16	B24
717698	717699	717700	717701

* For strain reliefs & threaded adapters see pages 20 - 23.

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Top Entry Hood With Bayonet Locking

Threaded Hole (Metric)	B6	B10	B16	B24
1/2"	7271060V	7271100V		
3/4"	7272060V	7272100V	7272160V	
1"			7273160V	7273240V
1 1/2"				7274240V

Side Entry Hood With Bayonet Locking

Threaded Hole (Metric)	B6	B10	B16	B24
1/2"	7275060V	7275100V		
3/4"	7276060V	7276100V	7276160V	
1"			7277160V	7277240V
1 1/2"				7278240V

* For strain reliefs & threaded adapters see pages 20 - 23.

Flange Set, For Bayonet Hoods

Part Number
727001 FS

Protective cover For Bayonet Hoods & Flange Sets

B6	B10	B16	B24
Bayonet Hood	Bayonet Hood	Bayonet Hood	Bayonet Hood
727620	727621	727622	727623
Flange set	Flange set	Flange set	Flange set
727624	727625	727626	727627

Series K - High Current Inserts

c **UL** US
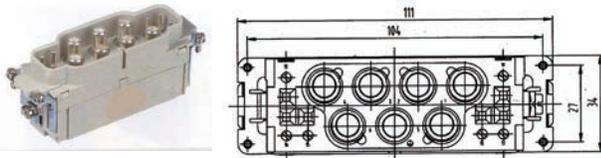
Series K 6/6

Part Number: FS6/6K *
Description: Female Insert,
6 Power (100Amps/690V), 6 Control (16A/400V)
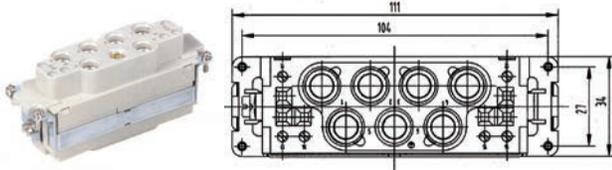
Part Number: MS6/6K *
Description: Male Insert,
6 Power (100Amps/690V), 6 Control (16A/400V)

Specifications	DIN VDE 0627
	DIN VDE 0110
Approvals	

Inserts	
Number of contacts	6/6 + PE
Working current (see cuurent carrying capacity)	100A / 16A
Working Voltage	690V / 400V
Test voltage Urms	4kV / 3kV
Insulation group	C
Insulation resistance	$\geq 10^{10}\Omega$
Material	Polycarbonate
Temperature range	-40°C ... +125 °C
Flammability acc. to UL94	V 0
Mechanical working life- Mating cycles	≥ 500
Working voltage acc. to UL/CSA	600V / 300V

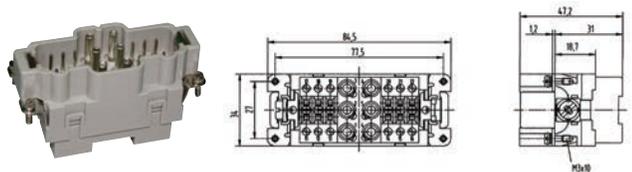| Contacts	
Material	Copper alloy
Surface - hard-silver plated	3µm Ag
Contact resistance	≤ 0.5 mΩ/ 3mΩ
Screw terminal	
- mm^2	16 - 35mm^2 / 0.2 - 2.5mm^2
- AWG	5 - 2 / 24 - 13
- Tightening torque	6 Nm / 0.8 Nm

Mounts in B24 Hoods and Housings

Series K 6/12

Part Number: FS6/12K *
Description: Female Insert,
6 Power (40Amps/690V), 12 Control (10A/400V)
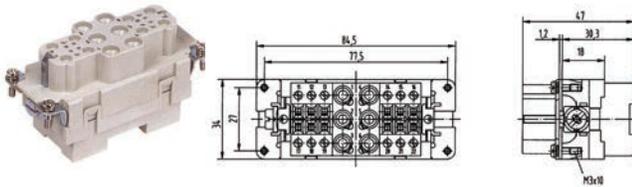
Part Number: MS6/12K *
Description: Male Insert,
6 Power (40Amps/690V), 12 Control (10A/400V)

Specifications	DIN VDE 0627
	DIN VDE 0110
Approvals	

Inserts	
Number of contacts	6/12 + PE
Working current (see cuurent carrying capacity)	40A / 10A
Working Voltage	690V / 400V
Test voltage Urms	3kV / 2kV
Insulation group	C
Insulation resistance	$\geq 10^{10}\Omega$
Material	Polycarbonate
Temperature range	-40°C ... +125 °C
Flammability acc. to UL94	V0
Mechanical working life- Mating cycles	≥ 500
Working voltage acc. to UL/CSA	600V / 300V

Contacts	
Material	Copper alloy
Surface - hard-silver plated	3µm Ag
Contact resistance	≤ 0.5 mΩ/ 3mΩ
Screw terminal	
- mm^2	2.5 - 10mm^2 / 0.2 - 2.5mm^2
- AWG	14 - 8 / 24 - 14
- Tightening torque	1 Nm / 0.8 Nm
Max. insulation	
- Power contacts	ø = 5 mm

Mounts in B16 Hoods and Housings

* See pages 7 - 12 for hoods and housings.

Series K 4/8

Part Number: FS112K *
Description: Female Insert,
4 Power (80Amps/600V), 8 Control (16A/600V)
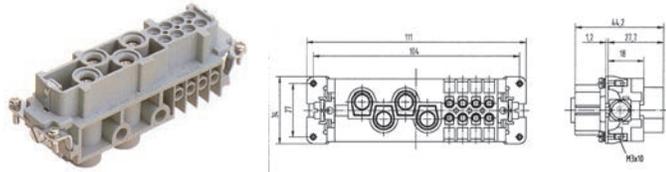
Part Number: MS212K *
Description: Male Insert,
4 Power (80Amps/600V), 8 Control (16A/600V)
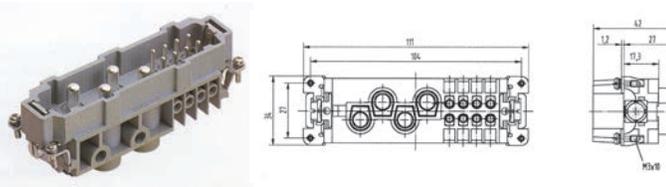
Mounts in B24 Hoods and Housings

Specifications	DIN VDE 0627
	DIN VDE 0110

Approvals

Inserts
Number of contacts	4/8 + G
Working current	80A / 16A
Working Voltage	400V / 400V
Test voltage Urms	3kV
Insulation group	C
Insulation resistance	≥10^{10}Ω
Material	Polycarbonate
Temperature range	-40°C ... +125 °C
Flammability acc. to UL94	V0
Mechanical working life- Mating cycles	≥500
Working voltage acc. to UL/CSA	600V / 300V

Contacts
Material	Copper alloy
Surface - hard-silver plated	3µm Ag
Contact resistance	≤0.3 mΩ/ 1mΩ
Screw terminal	
- mm^2	1.5 - 16mm^2 / 0.5 - 2.5mm^2
- AWG	16 - 6 / 20 - 14
- Tightening torque	0.8 Nm / 0.5 Nm

Series K 4/2

Part Number: FS4/2K *
Description: Female Insert,
4 Power (80Amps/690V), 2 Control (16A/400V)
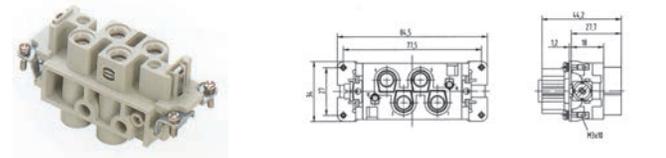
Part Number: MS4/2K *
Description: Male Insert,
4 Power (80Amps/690V), 2 Control (16A/400V)
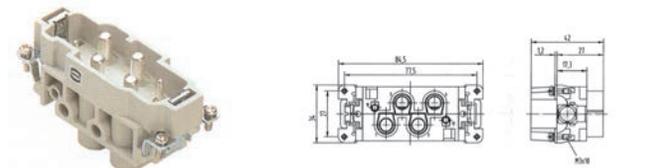
Mounts in B16 Hoods and Housings

Specifications	DIN VDE 0627
	DIN VDE 0110

Approvals

Inserts
Number of contacts	4/2 + PE
Working current	80A / 16A
Working Voltage	690V / 400V
Test voltage Urms	4kV / 3kV
Insulation group	C
Insulation resistance	≥10^{10}Ω
Material	Polycarbonate
Temperature range	-40°C ... +125 °C
Flammability acc. to UL94	V0
Mechanical working life- Mating cycles	≥500
Working voltage acc. to UL/CSA	600V / 300V

Contacts
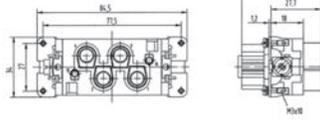|	
Material	Copper alloy
Surface - hard-silver plated	3µm Ag
Contact resistance	≤0.3 mΩ/ 1mΩ
Screw terminal	
- mm^2	1.5 - 16mm^2 / 0.5 - 2.5mm^2
- AWG	16 - 6 / 20 - 14
- Tightening torque	0.8 Nm / 0.5 Nm

* See pages 7 - 12 for hoods and housings.
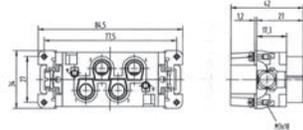
Series K - High Current Inserts

Series K 4/0

Part Number: FS4/0K *
Description: Female Insert,
4 Power (80Amps/690V), No Control

Part Number: MS4/0K *
Description: Male Insert,
4 Power (80Amps/690V), No Control

Mounts in B16 Hoods and Housings

* See pages 7 - 12 for hoods and housings.

Specifications	
	DIN VDE 0627
	DIN VDE 0110

Approvals

Inserts

Number of contacts	4/2 + PE
Working current	80A / 16A
Working Voltage	690V / 400V
Test voltage Urms	4kV / 3kV
Insulation group	C
Insulation resistance	$\geq 10^{10}\Omega$
Material	Polycarbonate
Temperature range	-40°C ... +125 °C
Flammability acc. to UL94	V0
Mechanical working life- Mating cycles	≥ 500
Working voltage acc. to UL/CSA	600V / 300V

Contacts

Material	Copper alloy
Surface - hard-silver plated	3µm Ag
Contact resistance	≤ 0.3 mΩ/ 1mΩ
Screw terminal	
- mm^2	16 - 35mm^2 / 0.2 - 2.5mm^2
- AWG	16 - 6 / 20 - 14
- Tightening torque	0.8 Nm / 0.5 Nm

Series A Housings & Inserts
16 Amps / 250V / 600V as per UL-CSA

c U L US

A Series Crimp Terminated Female Inserts

5 P+Grd
700105

A Series Crimp Terminated Male Inserts

5 P+Grd
700205

A Series Procon Housing (Plastic)
Top entry hood single locking system

NPT	A3, A4 & A5
3/8"	TH803AP

Top Entry Hood Single Locking System

NPT	A3, A4 & A5
3/8"	TH803A

A Series Procon Housing (Plastic)
Side entry hood single locking system

NPT	A3, A4 & A5
3/8"	SH603AP

Side Entry Hood Single locking System

NPT	A3, A4 & A5
3/8"	SH603A

A Series Coupler Hood (Plastic)
Plastic Coupler Hood

NPT	A3, A4 & A5
3/8"	CH803AP

Aluminum Coupler Hood

NPT	A3, A4 & A5
3/8"	CH803A

Aluminum Panel Mount Base

A3, A4 & A5
PB303A

Plastic Panel Mount Base

A3, A4 & A5
PB303AP

Aluminum Panel Mount Base with Cover

A3, A4 & A5
PB403A

Walther
Electrotechnical Systems

c **UL** US

Female Sleeve Contact

Silver-plated		Gold-plated		No. of Grooves	Conductor Size
FP2200	26-22 AWG	710916	26-22 AWG	0	0.14-0.37 mm²
FP2000	20 AWG	710842	20 AWG	0	0.5 mm²
710509	18 AWG	710917	18 AWG	1	0.75 mm²
FP1800	18 AWG	710843	18 AWG	1	1 mm²
FP1600	16 AWG	710844	16 AWG	2	1.5 mm²
FP1400	14 AWG	710845	14 AWG	3	2.5 mm²
FP1200	12 AWG	710846	12 AWG	0	4.0 mm²

Male Pin Contact

Silver-plated		Gold-plated		No. of Grooves	Conductor Size
MP2200	26-22 AWG	710918	26-22 AWG	0	0.14-0.37 mm²
MP2000	20 AWG	710847	20 AWG	0	0.5 mm²
710519	18 AWG	710919	18 AWG	1	0.75 mm²
MP1800	18 AWG	710848	18 AWG	1	1 mm²
MP1600	16 AWG	710849	16 AWG	2	1.5 mm²
MP1400	14 AWG	710850	14 AWG	3	2.5 mm²
MP1200	12 AWG	710851	12 AWG	0	4.0 mm²

Crimping Tools

26 -12 AWG	16 - 8 AWG
CT611	CT610

Coding Pin

700734

Panel Mount Data Port Interfaces

Custom Interfaces Available Upon Request

B6-DB9MF-S panel mount
DB9 female to terminals

B16-DB9MF-S panel mount
DB9 male to female bulkhead with
120VAC simplex outlet

B6-PS2 panel mount
PS2 mouse and PS2 keyboard
with 10' cables

The National Fire Protection Agency (NFPA) 70E Standard for Electrical safety Requirements for Employee Workplaces 2000 Edition was developed in conjunction with OSHA to define safe work practices for employees working on or around live voltage.

Under these criteria, employees must do the following:
• Be trained in safe work practices.
• Mark electrical panels with proper warning labels.
• Wear personal protective equipment (PPE) (safety glasses, face shield, flame resistant clothing, hand and arm protection (gloves).

Under these new criteria, personnel who have not been certified as trained and wearing approved personal protective equipment, shall not open panels over 50VDC to program a device within the panel.

Using a Walther Remote Access Interface Port allows you to comply to OSHA 29 CRF 1910.147, NFPA 70E and NFPA 79 Electrical Machinery Safety Standard 2002 Edition Sections 16.1.1 (6), 16.1.2.

B6-DB9MT panel mount
DB9 Male to terminals

B6-USB panel mount
two USB type A-A connectors
with 10' cables

B6-RJ45 panel mount
RJ45 female to female, CAT5

B16-DB9FM-S panel mount
DB9 female to male bulkhead with
120VAC simplex outlet

Panel Mount Data Port Interfaces

B16-RJ45-S panel mount
N12/4 CAT5 Ethernet female to female
with 120VAC simplex outlet

Walther Remote Access Interface Ports allow you to access data and power from the outside of your enclosure. This is accomplished by mounting the panel mount housing interface to the outside of a panel that houses a PLC or computer. The Walther Remote Access Interface Port allows users to inter-face the PLC or computer without opening the panel door, thereby eliminating the potential safety hazards associated with having an open electrical panel.

The standard Walther Remote Access Interface Port contains one or more of the connectors that are commonly used to interface a PLC, computer, or other devices that are commonly housed inside a panel.

B24-DB9MF-RJ45-S panel mount
DB9 male to female bulkhead with RJ45
with 120VAC simplex outlet

714406PL panel mount
6P female insert with pin shorting board for
equipment test applications

Walther Remote Access Interface Ports include a variety of interconnects such as commonly used D-Subminiature connectors (9, 15, 25, 37 or high density 15 pin), RJ45, RJ11, DIN, BNC, coaxial, PS2, USB and 3.5" floppy drive connectors. These connectors are available alone in a data port or with a simplex, duplex, GFCI duplex or with any other connector type. The benefit to the designer and user is that there are few limitations.

Walther welcomes the opportunity to build your custom Remote Access Interface Port. Our application engineers are available to assist you in designing a Walther Remote Access Interface Port to your specific needs. Simply call, fax or e-mail over your requirements.

Using a Walther Remote Access Interface Port allows you to comply to OSHA 29 CRF 1910.147, NFPA 70E and NFPA 79 Electrical Machinery Safety Standard 2002 Edition Sections 16.1.1 (6), 16.1.2.

NFPA 70E Compliant

Reduced Panel Space &
Thru-Door Convenience in one Device

Simple Products...
Huge Electrical Safety Value

B24-RJ45-S-R3 panel mount
N12/4 10baseT female to female with
120VAC simplex outlet with 3-Amp circuit breaker

walther
Electrotechnical Systems

Non-Metallic Liquid Tight Strain Relief Dome Connectors

Features and Benefits:
- Exceed NEMA 6 liquid tight specifications.
- Are suitable for use underwater to 300 feet.
- Are rated at IP68.
- Working temperature range of -30°C to +80°C.
- Withstand water pressure upto 70 psig.
- All connectors meet or exceed UL, CSA and VDE specifications.
- Resistant to salt water, weak acids, weak alkalis, alcohol, esters, ketones, gasoline, mineral oil, animal and vegetable oil.

The Walther Electric non-metallic liquid-tight strain relief dome connectors fit a wide range of cord diameters and are easily installed in either a clearance hole with a locking nut or a threaded hole. The connectors are well suited for cables used with, but not limited to, fiber optics, computers, control cabinets, instruments, medical/dental equipment, car washes, hot tubs and carpet cleaning machines.

Gray without locknut

Gray with locknut

Black without locknut

Black with locknut

Non-Metallic Liquid Tight Strain Relief Dome Connectors

Thread Size		Walther Part No.			Cable Size Range	
PG	Locknut	Gray	Black		Min.	Max.
7	without locknut	SR7-36-GRY	SR7-36-BLK	inch	0.118	0.256
	with locknut	SR7-36-GRYN	SR7-36-BLKN	mm	3	6.5
	without locknut	SR7-25-GRY	SR7-25-BLK	inch	0.079	0.197
	with locknut	SR7-25-GRYN	SR7-25-BLKN	mm	2	5
9	without locknut	SR9-48-GRY	SR9-48-BLK	inch	0.157	0.315
	with locknut	SR9-48-GRYN	SR9-48-BLKN	mm	4	8
	without locknut	SR9-26-GRY	SR9-26-BLK	inch	0.079	0.236
	with locknut	SR9-26-GRYN	SR9-26-BLKN	mm	2	6
11	without locknut	SR11-510-GRY	SR11-510-BLK	inch	0.197	0.394
	with locknut	SR11-510-GRYN	SR11-510-BLKN	mm	5	10
	without locknut	SR11-26-GRY	SR11-26-BLK	inch	0.079	0.236
	with locknut	SR11-26-GRYN	SR11-26-BLKN	mm	2	6
13.5	without locknut	SR135-612-GRY	SR135-612-BLK	inch	0.236	0.472
	with locknut	SR135-612-GRYN	SR135-612-BLKN	mm	6	12
	without locknut	SR135-59-GRY	SR135-59-BLK	inch	0.197	0.354
	with locknut	SR135-59-GRYN	SR135-59-BLKN	mm	5	9
16	without locknut	SR16-1014-GRY	SR16-1014-BLK	inch	0.394	0.551
	with locknut	SR16-1014-GRYN	SR16-1014-BLKN	mm	10	14
	without locknut	SR16-712-GRY	SR16-712-BLK	inch	0.276	0.472
	with locknut	SR16-712-GRYN	SR16-712-BLKN	mm	7	12
21	without locknut	SR21-1318-GRY	SR21-1318-BLK	inch	0.512	0.709
	with locknut	SR21-1318-GRYN	SR21-1318-BLKN	mm	13	18
	without locknut	SR21-916-GRY	SR21-916-BLK	inch	0.354	0.630
	with locknut	SR21-916-GRYN	SR21-916-BLKN	mm	9	16
29	without locknut	SR29-1825-GRY	SR29-1825-BLK	inch	0.709	0.984
	with locknut	SR29-1825-GRYN	SR29-1825-BLKN	mm	18	25
	without locknut	SR29-1220-GRY	SR29-1220-BLK	inch	0.472	0.787
	with locknut	SR29-1220-GRYN	SR29-1220-BLKN	mm	12	20
36	without locknut	SR36-2232-GRY	SR36-2232-BLK	inch	0.866	1.26
	with locknut	SR36-2232-GRYN	SR36-2232-BLKN	mm	22	32
	without locknut	SR36-2026-GRY	SR36-2026-BLK	inch	0.787	1.02
	with locknut	SR36-2026-GRYN	SR36-2026-BLKN	mm	20	26
42	without locknut	SR42-3038-GRY	SR42-3038-BLK	inch	1.18	1.50
	with locknut	SR42-3038-GRYN	SR42-3038-BLKN	mm	30	38
	without locknut	SR42-2531-GRY	SR42-2531-BLK	inch	0.984	1.22
	with locknut	SR42-2531-GRYN	SR42-2531-BLKN	mm	25	31
48	without locknut	SR48-3444-GRY	SR48-3444-BLK	inch	1.34	1.73
	with locknut	SR48-3444-GRYN	SR48-3444-BLKN	mm	34	44
	without locknut	SR48-2935-GRY	SR48-2935-BLK	inch	1.14	1.38
	with locknut	SR48-2935-GRYN	SR48-2935-BLKN	mm	29	35

Non-Metallic Liquid Tight Strain Relief Dome Connectors

Thread Size		Walther Part No.			Cable Size Range	
NPT	**Locknut**	**Gray**	**Black**		**Min.**	**Max.**
3/8"	without locknut	SR38-510-GRY	SR38-510-BLK	inch	0.19	0.39
	with locknut	SR38-510-GRYN	SR38-510-BLKN	mm	5	10
	without locknut	SR38-37-GRY	SR38-37-BLK	inch	0.12	0.28
	with locknut	SR38-37-GRYN	SR38-37-BLKN	mm	3	7
1/2"	without locknut	SR50-612-GRY	SR50-612-BLK	inch	0.236	0.472
	with locknut	SR50-612-GRYN	SR50-612-BLKN	mm	6	12
	without locknut	SR50-59-GRY	SR50-59-BLK	inch	0.197	0.354
	with locknut	SR50-59-GRYN	SR50-59-BLKN	mm	5	9
	without locknut	SR50-712-GRY	SR50-712-BLK	inch	0.276	0.472
	with locknut	SR50-712-GRYN	SR50-712-BLKN	mm	7	12
	without locknut	SR50-1014-GRY	SR50-1014-BLK	inch	0.394	0.551
	with locknut	SR50-1014-GRYN	SR50-1014-BLKN	mm	10	14
3/4"	without locknut	SR75-1318-GRY	SR75-1318-BLK	inch	0.512	0.709
	with locknut	SR75-1318-GRYN	SR75-1318-BLKN	mm	13	18
	without locknut	SR75-916-GRY	SR75-916-BLK	inch	0.354	0.630
	with locknut	SR75-916-GRYN	SR75-916-BLKN	mm	9	16
1"	without locknut	SR100-1825-GRY	SR100-1825-BLK	inch	0.709	0.984
	with locknut	SR100-1825-GRYN	SR100-1825-BLKN	mm	18	25
	without locknut	SR100-1220-GRY	SR100-1220-BLK	inch	0.512	0.787
	with locknut	SR100-1220-GRYN	SR100-1220-BLKN	mm	13	20
1 1/4"	without locknut	SR125-1825-GRY	SR125-1825-BLK	inch	0.709	0.984
				mm	18	25
	without locknut	SR125-1320-GRY	SR125-1320-BLK	inch	0.512	0.787
				mm	13	20
1 1/2"	without locknut	SR150-2232-GRY	SR150-2232-BLK	inch	0.866	1.26
				mm	22	32
	without locknut	SR150-2026-GRY	SR150-2026-BLK	inch	0.787	1.02
				mm	20	26
Metric	**Locknut**	**Gray**	**Black**		**Min.**	**Max.**
20	without locknut	SR20M-612-GRY	SR20M-612-BLK	inch	0.236	0.472
	with locknut	SR20M-612-GRYN	SR20M-612-BLKN	mm	6	12
	without locknut	SR20M-1014-GRY	SR20M-1014-BLK	inch	0.394	0.551
	with locknut	SR20M-1014-GRYN	SR20M-1014-BLKN	mm	10	14
25	without locknut	SR25M-1318-GRY	SR25M-1318-BLK	inch	0.512	0.709
	with locknut	SR25M-1318-GRYN	SR25M-1318-BLKN	mm	13	18
	without locknut	SR25M-914-GRY	SR25M-914-BLK	inch	0.354	0.551
	with locknut	SR25M-914-GRYN	SR25M-914-BLKN	mm	9	14
32	without locknut	SR32M-1825-GRY	SR32M-1825-BLK	inch	0.709	0.984
	with locknut	SR32M-1825-GRYN	SR32M-1825-BLKN	mm	18	25
40	without locknut	SR40M-2232-GRY	SR40M-2232-BLK	inch	0.866	1.26
	with locknut	SR40M-2232-GRYN	SR40M-2232-BLKN	mm	22	32

Metallic Threaded Adapters

Metallic Threaded Adapter

NPT Adapters

Adapters from PG to NPT thread

Catalog Number	Desrciption
PG11 -38	PG11 to 3/8" NPT
PG11 - 50	PG11 to 1/2" NPT
PG135 - 50	PG13.5 to 1/2" NPT
PG16 - 50	PG16 to 1/2" NPT
PG21 - 50	PG21 to 1/2" NPT
PG21 - 75	PG21 to 3/4" NPT
PG29 - 100	PG29 to 1" NPT
PG29 - 125	PG29 to 1 1/4" NPT
PG36 - 125	PG36 to 1 1/4" NPT
PG36 - 150	PG36 to 1 1/2" NPT
PG42 - 200	PG42 to 2" NPT
PG48 - 200	PG48 to 2" NPT

Adapters from Metric to NPT thread

Catalog Number	Description
M20 - 38	M20 to 3/8" NPT
M20 - 50	M20 to 1/2" NPT
M25 - 75	M25 to 3/4" NPT
M32 - 100	M32 to 1" NPT
M32 - 125	M32 to 1 1/4" NPT
M40 - 125	M40 to 1 1/4" NPT
M40 - 150	M40 to 1 1/2" NPT
M50 - 125	M50 to 1 1/2" NPT
M50 - 200	M50 to 2" NPT
M63 - 150	M63 to 1 1/2" NPT

Other Great Products

walther
Electrotechnical Systems

PIN & SLEEVE DEVICES

Walther Pin & Sleeve Devices are manufactured to IEC 60309-1 & 2 standards and are interchangeable anywhere in the world with other manufacturers who conform to these IEC specifications: material, ground-pin location, size and color. Walther introduced and wrote the standard for the first IEC 60309 Pin & Sleeve Devices as they are known today. IEC 60309 devices are typically used to supply power for stationary or portable applications – i.e. electrically operated equipment: generator sets, compressors, welders, heating and cooling equipment, lighting or similar apparatus – anytime quick-safe connect/disconnect capabilities are required.

MECHANICAL INTERLOCK DEVICES

Walther IEC 60309 Mechanical Interlocks are designed to combine a disconnect switch and receptacle into one compact unit. The mechanical interlock receptacles are built for safety first by eliminating the possibility of making or breaking the circuit under load or by making a haphazard connection. Walther MIs cannot be energized, turned on, until completely plugged in and then they cannot be disconnected, plug removed, until the power is turned off. Units are available in Water-Tight IP67 (NEMA 4X) and Splash-Proof IP44 and MCB Breakered versions.

POWER DISTRIBUTION UNITS & SYSTEMS

Walther Electric offers unique, custom-built power distribution units and systems, integrating multiple variations of receptacles plus the installation of a power inlet that combined in a single unit is industry referred to and identified as a "Combination Outlet." Combination outlets combine multiple like receptacles or an assortment of various different receptacles in one compact enclosure. By integrating numerous receptacles into one electrical enclosure, multiple conduit runs with individual branch circuit wiring can be eliminated. As a result, installation and material costs are significantly reduced. Walther combination outlets are shipped completely wired and ready for use. In most applications only one connection to an incoming current supply and it is ready for use.

CUSTOM CABLE ASSEMBLIES

Walther's UL Custom Cable Assemblies are available in 6'/10'/25'/50' and 100' lengths. Other lengths are available via special quote. Walther IEC 60309 Plugs or Connectors are the most common termination devices used, but virtually every other type of NEMA device or CAM- style pins are also used. Plus custom splitter enclosure units are available.

PROCON HEAVY DUTY CONNECTORS: CAST ALUMINUM & PLASTIC

Walther Procon ™ Heavy Duty Rectangular Connectors provide a safe, error free connection of multiple wire control and power circuitry from 4 to 216 pins. Devices require minimal installation space while providing maximum termination density for use in machine tools, robotics, material handling equipment, conveyers and for virtually all other types of electrical industrial machinery or electronic equipment. Devices replace the need for on-site hardwire installation requirements – simply mate the multi-pin inserts, snap on the cover hood and energize. Wash-down area units are available with an IP68 (Ingress Protection) rating.

Remote Access Interface Ports

Walther Remote-Access Interface Ports allow access to data and power from the outside of an enclosure – accomplished by installation of a panel-mount housing interface to the outside of a panel that contains a PLC or computer. The Walther Remote-Access Interface Ports allow users to interface the PLC or computer without opening the panel door thereby eliminating the potential safety hazards associated with an energized open electrical panel. Use eliminates the basic requirements of the mandated (NFPA-70E) need for arc-flash protective equipment and garments.

MANUAL DISCONNECT SWITCHES

Walther standard Manual Disconnect Switches combine a horsepower-rated switch in a tough, non-metallic NEMA 4X enclosure for safe surface-mount motor load disconnects. Several other models are available, including surface-mount Fused and Stainless Steel versions plus door-mounted rotary and toggle switch units. All models accept auxiliary contacts.

FITTINGS & ADAPTORS

Walther offers a complete-range of Fittings and Adaptors with NPT, Metric or PG threads. Units are available in Aluminum, Brass-Nickel Plated and Nylon. Products include Strain-Relief cord connectors with a range of 0.079" to 1.38", PG to NPT, Metric to NPT, PG to Metric and Metric to PG adaptors. All units meet or exceed UL, CSA and VDE specifications.

E-MOBILITY CHARGING PLUGS, RECEPTACLES AND EV CHARGING STATIONS

Walther is a worldwide leading manufacturer and supplier of E-Mobility (Electric Vehicle) charging plugs, receptacles and full-service EV Charging Stations. Nearly all industrialized nations, as well as a European-wide agreement, have already implemented the use of public charging stations or have established procedures to immediately advance E-Mobility especially in congested urban areas to help keep air clean and to help protect fossil fuel reserves. The future of the environment belongs to electric vehicles.