

# **MOD** Series



- Operating voltage up to 12 kVDC
- Operating current up to 25 A / 30 A
- Up to 14 high voltage contacts
- Robust industrial connector shells with lever locking system
- Combinable with modules for low voltage, signal transmission and pneumatic
- Protection class IP65 (mated connector)

## General characteristics and technical data type MOD-HP

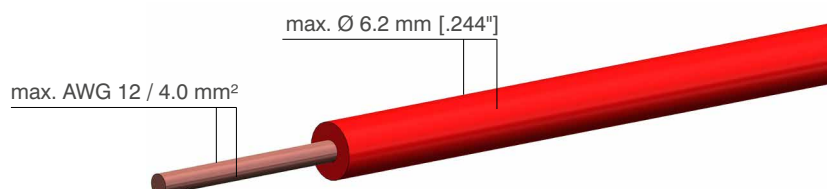
Housings	
Number of module slots	2, 3, 5, 7
Locking system	lever locking
Mounting type (panel mount connector)	4-hole-flange
Housing material	aluminium alloy
Surface plating	epoxy powder coating
Protection class (mated connector)	IP65 acc. DIN EN 60529
Operating temperature	- 30 °C to +80 °C

Contacts type MOD-HP	
Termination method	crimp / solder
Rated current (at +23°C)	25 A
Contact resistance	≤ 2 mΩ
Contact diameter	2.5 mm
Wire size (AWG / cross section)	AWG 20-12 (0.5 - 4.0 mm <sup>2</sup> )
Contact material	copper alloy
Contact plating	silver (Ag)
Mating cycles	≥ 500

Contacts not included. Choose contacts from page 176.

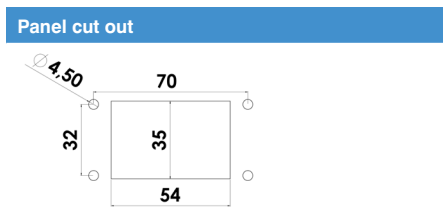
Module type MOD-HP	
Number of pins	2
Material	PA 6.6 GF
Flammability class	UL94 V-0
Operating temperature	-40 °C to +125 °C
CTI-Value	600
Insulating material group	I (DIN IEC 60664)
Max. diameter of dielectric cable insulation (single wire)	6.2 mm

### Suitable cable dimensions (single wire)



Electrical values	
Operating voltage (DC)	12 kV
Test voltage (DC)	18 kV

Characteristics	
Number of pins	2
Insulation material	PA 6.6 GF



Suitable contacts on page 180

Type / Version / Part number	Picture / Drawing
<b>Receptacle, panel mount</b> GBR 1HP/2M Part no. 9021300	
<b>Plug, panel mount</b> GSR 1HP/2M Part no. 9021350	
<b>Plug, cable mount, cable entry top M25</b> KSR 1HP/AO/2M Part no. 9021010	
<b>Plug, cable mount, cable entry side 90° M25</b> KSR 1HP/AS/2M Part no. 9021200	
<b>Receptacle, cable mount, cable entry top M25</b> KBR 1HP/AO/2M Part no. 9021150	
<b>Receptacle, cable mount, cable entry side 90° M25</b> KBR 1HP/AS/2M Part no. 9021250	

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drawing - dimensions in mm [inch]

Electrical values		Characteristics		Panel cut out
Operating voltage (DC)	12 kV	Number of pins	4	
Test voltage (DC)	18 kV	Insulation material	PA 6.6 GF	

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Type / Version / Part number	Picture / Drawing
<b>Receptacle, panel mount</b> GBR 2HP/2M Part no. 9022300	
<b>Plug, panel mount</b> GSR 2HP/2M Part no. 9022350	
<b>Plug, cable mount, cable entry top M25</b> KSR 2HP/AO/2M Part no. 9022100	
<b>Plug, cable mount, cable entry side 90° M25</b> KSR 2HP/AS/2M Part no. 9022200	
<b>Receptacle, cable mount, cable entry top M25</b> KBR 2HP/AO/2M Part no. 9022150	
<b>Receptacle, cable mount, cable entry side 90° M25</b> KBR 2HP/AS/2M Part no. 9022250	

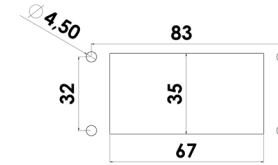
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drawing - dimensions in mm [inch]

Electrical values	
Operating voltage (DC)	12 kV
Test voltage (DC)	18 kV

Characteristics	
Number of pins	6
Insulation material	PA 6.6 GF

**Panel cut out**



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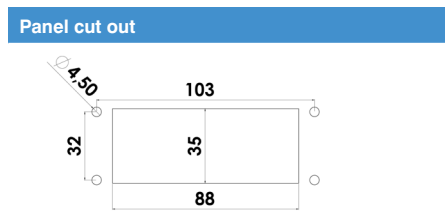
Type / Version / Part number	Picture / Drawing
<b>Receptacle, panel mount</b> GBR 3HP/3M Part no. 9033300	
<b>Plug, panel mount</b> GSR 3HP/3M Part no. 9033350	
<b>Plug, cable mount, Cable entry top M32</b> KSR 3HP/AO/3M Part no. 9033100	
<b>Plug, cable mount, cable entry side 90° M32</b> KSR 3HP/AS/3M Part no. 9033200	
<b>Receptacle, cable mount, cable entry top M32</b> KBR 3HP/AO/3M Part no. 9033150	
<b>Receptacle, cable mount, cable entry side 90° M32</b> KBR 3HP/AS/3M Part no. 9033250	

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drawing - dimensions in mm [inch]

Electrical values	
Operating voltage (DC)	12 kV
Test voltage (DC)	18 kV

Characteristics	
Number of pins	8
Insulation material	PA 6.6 GF



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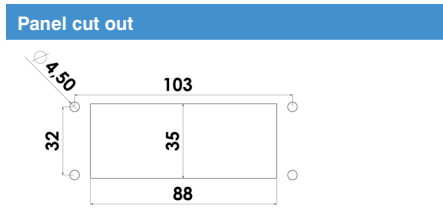
Type / Version / Part number	Picture / Drawing
<b>Receptacle, panel mount</b> GBR 4HP/5M Part no. 9054300	
<b>Plug, panel mount</b> GSR 4HP/5M Part no. 9054350	
<b>Plug, cable mount, cable entry top M32</b> KSR 4HP/AO/5M Part no. 9054100	
<b>Plug, cable mount, cable entry side 90° M32</b> KSR 4HP/AS/5M Part no. 9054200	
<b>Receptacle, cable mount, cable entry top M32</b> KBR 4HP/AO/5M Part no. 9054150	
<b>Receptacle, cable mount, cable entry side 90° M32</b> KBR 4HP/AS/5M Part no. 9054250	

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drawing - dimensions in mm [inch]

Electrical values	
Operating voltage (DC)	12 kV
Test voltage (DC)	18 kV

Characteristics	
Number of pins	10
Insulation material	PA 6.6 GF



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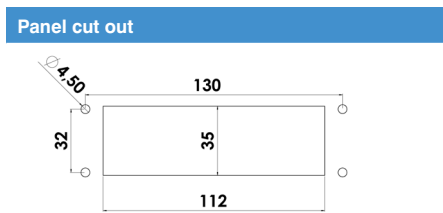
Type / Version / Part number	Picture / Drawing
Receptacle, panel mount GBR 5HP/5M Part no. 9055300	
Plug, panel mount GSR 5HP/5M Part no. 9055350	
Plug, cable mount, cable entry top M32 KSR 5HP/AO/5M Part no. 9055100	
Plug, cable mount, cable entry side 90° M32 KSR 5HP/AS/5M Part no. 9055200	
Receptacle, cable mount, cable entry top M32 KBR 5HP/AO/5M Part no. 9055150	
Receptacle, cable mount, cable entry side 90° M32 KBR 5HP/AS/5M Part no. 9055250	

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drawing - dimensions in mm [inch]

Electrical values	
Operating voltage (DC)	12 kV
Test voltage (DC)	18 kV

Characteristics	
Number of pins	12
Insulation material	PA 6.6 GF



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Type / Version / Part number	Picture / Drawing	
<b>Receptacle, panel mount</b> GBR 6HP/7M Part no. 9076300		
<b>Plug, panel mount</b> GSR 6HP/7M Part no. 9076350		
<b>Plug, cable mount, cable entry top M40</b> KSR 6HP/AO/7M Part no. 9076100		
<b>Plug, cable mount, cable entry side 90° M40</b> KSR 6HP/AS/7M Part no. 9076200		
<b>Receptacle, cable mount, cable entry top M40</b> KBR 6HP/AO/7M Part no. 9076150		
<b>Receptacle, cable mount, cable entry side 90° M40</b> KBR 6HP/AS/7M Part no. 9076250		

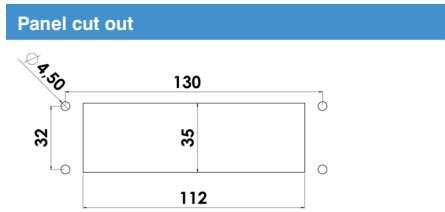
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drawing - dimensions in mm [inch]



Electrical values	
Operating voltage (DC)	12 kV
Test voltage (DC)	18 kV

Characteristics	
Number of pins	14
Insulation material	PA 6.6 GF



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Type / Version / Part number	Picture / Drawing	
<b>Receptacle, panel mount</b> GBR 7HP/7M Part no. 9077300		
<b>Plug, panel mount</b> GSR 7HP/7M Part no. 9077350		
<b>Plug, cable mount, cable entry top M40</b> KSR 7HP/AO/7M Part no. 9077100		
<b>Plug, cable mount, cable entry side 90° M40</b> KSR 7HP/AS/7M Part no. 9077200		
<b>Receptacle, cable mount, cable entry top M40</b> KBR 7HP/AO/7M Part no. 9077150		
<b>Receptacle, cable mount, cable entry side 90° M40</b> KBR 7HP/AS/7M Part no. 9077250		

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drawing - dimensions in mm [inch]

Part no.	Description	HV contacts	Plug	Receptacle	Cable mount	Connecting thread	Panel mount	Page
9021300	GBR 1HP/2M	2		•			•	149
9021350	GSR 1HP/2M	2	•				•	149
9021010	KSR 1HP/AO/2M	2	•		•	M25		149
9021200	KSR 1HP/AS/2M	2	•		•	M25		149
9021150	KBR 1HP/AO/2M	2		•	•	M25		149
9021250	KBR 1HP/AS/2M	2		•	•	M25		149
9022300	GBR 2HP/2M	4		•			•	150
9022350	GSR 2HP/2M	4	•				•	150
9022100	KSR 2HP/AO/2M	4	•		•	M25		150
9022200	KSR 2HP/AS/2M	4	•		•	M25		150
9022150	KBR 2HP/AO/2M	4		•	•	M25		150
9022250	KBR 2HP/AS/2M	4		•	•	M25		150
9033300	GBR 3HP/3M	6		•			•	151
9033350	GSR 3HP/3M	6	•				•	151
9033100	KSR 3HP/AO/3M	6	•		•	M32		151
9033200	KSR 3HP/AS/3M	6	•		•	M32		151
9033150	KBR 3HP/AO/3M	6		•	•	M32		151
9033250	KBR 3HP/AS/3M	6		•	•	M32		151
9054300	GBR 4HP/5M	8		•			•	152
9054350	GSR 4HP/5M	8	•				•	152
9054100	KSR 4HP/AO/5M	8	•		•	M40		152
9054200	KSR 4HP/AS/5M	8	•		•	M40		152
9054150	KBR 4HP/AO/5M	8		•	•	M40		152
9054250	KBR 4HP/AS/5M	8		•	•	M40		152
9055300	GBR 5HP/5M	10		•			•	153
9055350	GSR 5HP/5M	10	•				•	153
9055100	KSR 5HP/AO/5M	10	•		•	M40		153
9055200	KSR 5HP/AS/5M	10	•		•	M40		153
9055150	KBR 5HP/AO/5M	10		•	•	M40		153
9055250	KBR 5HP/AS/5M	10		•	•	M40		153
9076300	GBR 6HP/7M	12		•			•	154
9076350	GSR 6HP/7M	12	•				•	154
9076100	KSR 6HP/AO/7M	12	•		•	M40		154
9076200	KSR 6HP/AS/7M	12	•		•	M40		154
9076150	KBR 6HP/AO/7M	12		•	•	M40		154
9076250	KBR 6HP/AS/7M	12		•	•	M40		154
9077300	GBR 7HP/7M	14		•			•	155
9077350	GSR 7HP/7M	14	•				•	155
9077100	KSR 7HP/AO/7M	14	•		•	M40		155
9077200	KSR 7HP/AS/7M	14	•		•	M40		155
9077150	KBR 7HP/AO/7M	14		•	•	M40		155
9077250	KBR 7HP/AS/7M	14		•	•	M40		155