



GEM 4 was equipped during the last days of the dry run with two R&S NGP8XX family power supply. Integrated in the DCS system with a readout rate of 10 to 15 Hz. The devices have been extensively tested in terms of communication stability by Christophe with positive results. Same cabling of GEM0 but interface connector. Network interface (snp)

**Thanks Moritz, Christophe**

Number of units needed in view of replacing 6 GEM stations as proposed with the HMC 8043

**ROHDE & SCHWARZ**



Item	Model Description / Estimated Delivery (Weeks)	Part Number	Qty. pc.	Unit Price CHF	Total Price CHF
1	<a href="#">NGP800 Power Supply</a>		10		
1.1	<b>NGP804</b> Four-channel power supply 0V to 32V, max. 20A per channel max. 200W per channel (800W total) 5" capacitive touch screen QuickArb, Sense electronic fuse, FuseLink OVP, OPP, OTP USB/LAN interface  Country of Origin: Malaysia	5601.4007.02	10	4,290.00 -15.00%	42,900.00 36,465.00
1.2	<b>ZZA-GE23</b> 19 inch rack adapter, 2HU, for R&S@NGP800 power supplies (accessory)  Country of Origin: Czech Republic	5601.4059.02	10	286.00 -15.00%	2,860.00 2,431.00
<b>Item Price (1) CHF</b>				<b>4,576.00</b>	<b>45,760.00</b>
				<b>-15.00%</b>	<b>38,896.00</b>
<b>Total Net Price</b>				<b>CHF</b>	<b>38,896.00</b>

Essential technical modifications may make it necessary to replace certain items ordered by the customer with new successor items. In this case, the customer agrees to the modification of the subject matter of the contract even after placement of the order, provided that the agreed terms and conditions are retained and that the successor item complies with the technical specifications of the item ordered by the customer. The customer has to make all payments from a bank account under their name. The customer is liable for all payments from the contractual relationship and must ensure compliance with all applicable legislation, in particular on the prevention of money laundering.

Few considerations:

HMC 8043 max I(A) 3 A → does not work with old ADCs requirements

HMC 4040 slower than 1 hertz readout speed, in case of communication loss needs manual restart. Max channel current 10 A

NGP8XX 20 A channel ( save channels have two MC4040 in parallel ) → Possible ?



Item	Description	Model	Part number	Qty.	Total price CHF
1	<a href="#">HMP High-Performance Power Supply</a>			13	
1.1	3-channel power supply, 0V to 32V, max. 10A , max. 384W	HMP4030	3629.6776.03	13	25'935.00
1.2	19 inch rack adapter 4HU (acc.)	HZP91	5800.0939.02	13	4'589.00
<b>Position price (1) for</b>				<b>13</b>	<b>30'524.00</b> <b>- 12.00 %</b> <b>26'861.12</b>
2	<a href="#">HMP High-Performance Power Supply</a>			10	
2.1	4-channel power supply, 0V to 32V, max. 10A , max. 384W	HMP4040	3629.6776.04	10	22'750.00
2.2	19 inch rack adapter 4HU (acc.)	HZP91	5800.0939.02	10	3'530.00
<b>Position price (2) for</b>				<b>10</b>	<b>26'280.00</b> <b>- 12.00 %</b> <b>23'126.40</b>
3	<a href="#">NGP800 Power Supply</a>			10	
3.1	NGP804 FOUR-CHANNEL POWER SUPPLY 32V/20A	NGP804	5601.4007.02	10	44'450.00
3.2	19 inch rack adapter, 2HU, for R&S@NGP800 (acc.)	ZZA-GE23	5601.4059.02	10	2'960.00
<b>Position price (3) for</b>				<b>10</b>	<b>47'410.00</b> <b>- 17.00 %</b> <b>39'350.30</b>

*Older offer*