



All dimensions are in mm;

**Properties**

Rosenberger Q-RMC connector is a kind of optic connector designed for outdoor harsh environment application with waterproof, dust proof and corrosion resistant function. It is featured with unique push-pull locking mechanism and integrated with standard MT ferrule which can support up to 12 fibers. There are diversified configurations for choice, such as different fiber type/amount and cable type. Compact design makes the high density application possible and tool-less mating keeps the operation comfortable. Plug-and-play connection minimizes the installation time and cost in field.

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger OSI GmbH & Co. OHG

**Interface**

No

**Material for connectors**

Ferrule :	PPS
Body :	Brass, flash white bronze plating
Gasket	Silicon Rubber
Crimp Sleeve	Copper, nickel plating
Boot :	Silicon
Dust Cap:	Silicon
Lock Body:	Copper Beryllium

**Optical data**

Insertion Loss :	S/M	max.
	M/M	0.80 dB
		0.70 dB
Return Loss :	S/M	≥65 dB(APC)
	M/M	≥20 dB

**Mechanical data**

Mating cycle	≥ 100
Strain relief	100 N(dependent on the cable type)
Mating force	40 N (reference)
Unlock pull force	20 N (reference)

**Environmental data**

Operation temperature range	-40°C to +80°C
Storage temperature range	-40°C to +80°C

*Limitations are possible due to the used cable type*

Vibration	IEC 61300-2-1
Salt mist	IEC 61300-2-26. 30 days
Ingress Protection, mated	EN 60529 IP 67
RoHS	Compliant

**Dust Cap**

Silicon( Metal on request)

**Suitable cables**

Fiber	S/M, G652D, G657A1, G657A2
Cable diameter	M/M, 62.5/125µm, 50/125µm OM2, OM3 and OM4
	2.0+/-0.2mm,

**Packaging**

Standard Packaging.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
J. Hu	24.05.2016	S. Chen	24.05.2016	001	---	Y. Zhang	03.04.2018