

PRODUCT LINE:	ACCESS		
PRODUCT NAME:	NGCR Mullion Reader		
MODEL(S):	VR20M-MF & VR50M-MF	CATEGORY:	APPROVALS
CONTACT:	Local Technical Support	DATE:	2021-09-16

The NGCR Mullion Reader range has now received an IP66 rating. Ingress Protection ratings are defined in international standard EN 60529. They are used to define levels of sealing effectiveness of electrical enclosures against intrusion from foreign bodies (tools, dirt, etc.) and moisture. As a guideline, IP ratings of between 44 and 65 may be used for indoor and general outdoor use. Anything lower than IP44 should only be used indoors, however. IP66, on the other hand, is typically used for heavy-duty industrial and waterproof electrical enclosures.

To make the Mullion reader range compliant to IP66, a few hardware changes were undertaken, marked on the packaging label with hardware rev. 08. Customers will notice a small opening at the bottom of the metal housing alongside a new rubber gasket added to the packaging. For more detailed instructions on installing an IP66 compliant Mullion reader, please refer to the illustration guide and/or user manual.



IP Rating Chart

The International Protection (IP) rating is given to electrical apparatus. It is defined by a two digit code that indicates the degree of protection its enclosure provides.

1st Digit - SOLID Degree of protection against solid objects

0	No protection.	
1	Protected against a solid object greater than 50mm, such as a hand.	
2	Protected against a solid object greater than 12.5mm, such as a finger.	
3	Protected against a solid object greater than 2.0mm, such as a wire.	
4	Protected against a solid object greater than 1.0mm, such as a thin strap.	
5	Dust Protected. Prevents ingress of dust sufficient to cause harm.	
6	Dust tight. No ingress of dust.	

2nd Digit - LIQUID Degree of protection against water

0	No protection.	
1	Protected against water drops.	
2	Protected against water drops at a 15 degree angle.	
3	Protected against water spray at 60 degree angle.	
4	Protected against water splashing from any angle.	
5	Protected against water jets from any angle.	
6	Protected against powerful water jets and heavy seas.	
7	Protected against the effects of temporary submersion in water. (30 minutes at 3 feet)	
8	Protected against the effects of permanent submersion in water. (Up to 13 feet)	