



Revision List

referred to on Certificate No.: 968/V 1141.01/22
**Certified Product: Electromagnetic Control Valves with
 Safety Function, Series 2401x**



Safety related modules / components

Type Designation	Description	HW / SW Revision	Report-No.:	Certification Status																																																																																																																																																																								
Series 24010 & 24011	Electromagnetic control valves with safety function Type 24011 / 24010 with solenoid types 08XX, 38XX, 372X, 382X, 412X, 414X, 426X, 427X, 466X, 467X, 486X, 487X <table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>Type</th> <th>Connection</th> <th>Material</th> <th>Sealing</th> </tr> </thead> <tbody> <tr><td>1025160</td><td>CARTRIDGE</td><td>Brass</td><td>NBR</td></tr> <tr><td>1025346</td><td>CARTRIDGE</td><td>Brass</td><td>FKM</td></tr> <tr><td>1025347</td><td>CARTRIDGE</td><td>Brass</td><td>VMQ</td></tr> <tr><td>1025354</td><td>CARTRIDGE</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>1160002</td><td>CARTRIDGE</td><td>Brass</td><td>NBR</td></tr> <tr><td>1160003</td><td>CARTRIDGE</td><td>Stainless Steel</td><td>FKM</td></tr> <tr><td>1160004</td><td>CARTRIDGE</td><td>Stainless Steel</td><td>VMQ</td></tr> <tr><td>1160005</td><td>CARTRIDGE</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>1025212**</td><td>G 1/4 NAMUR +P</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>1025226*</td><td>1/4 NPT</td><td>Brass</td><td>VMQ</td></tr> <tr><td>1025227</td><td>1/4 NPT</td><td>Stainless Steel</td><td>FKM</td></tr> <tr><td>1025254**</td><td>1/4 NPT NAMUR</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>10253828**</td><td>1/4 NPT NAMUR +P</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>1025352***</td><td>G 1/4 NAMUR +P</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>1025358</td><td>G 1/4 NAMUR only flangeable</td><td>Stainless Steel</td><td>FKM</td></tr> <tr><td>1025359</td><td>1/4 NPT, NAMUR only flangeable</td><td>Stainless Steel</td><td>FKM</td></tr> <tr><td>1025374</td><td>G 1/4</td><td>Stainless Steel</td><td>FKM</td></tr> <tr><td>1025379**</td><td>1/4 NPT NAMUR</td><td>Aluminium</td><td>VMQ</td></tr> <tr><td>1025383**</td><td>1/4 NPT NAMUR +P</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>1025384***</td><td>1/4 NPT NAMUR +P</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>1025390**</td><td>G 1/4 NAMUR +P</td><td>Aluminium</td><td>VMQ</td></tr> <tr><td>2401103</td><td>G 1/4</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401106</td><td>1/4 NPT</td><td>Brass</td><td>VMQ</td></tr> <tr><td>2401107*</td><td>G 1/4</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401109**</td><td>G 1/4 NAMUR +P</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>2401112</td><td>1/4 NPT</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>2401116**</td><td>G 1/4 NAMUR</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>2401126</td><td>G 1/4</td><td>Brass</td><td>FKM</td></tr> <tr><td>2401131</td><td>1/4 NPT</td><td>Brass</td><td>FKM</td></tr> <tr><td>2401133**</td><td>G 1/4 NAMUR</td><td>Aluminium</td><td>VMQ</td></tr> <tr><td>2401138</td><td>1/4 NPT</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401140*</td><td>1/4 NPT</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401148*</td><td>1/4 NPT</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401149</td><td>G 1/4</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401153</td><td>G 1/4</td><td>Brass</td><td>VMQ</td></tr> <tr><td>2401154*</td><td>G 1/4</td><td>Brass</td><td>VMQ</td></tr> <tr><td>2401186</td><td>G 1/4</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>2401187</td><td>1/4 NPT</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401190**</td><td>G 1/4 NAMUR</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>2401191**</td><td>G 1/4 NAMUR</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>2401196**</td><td>G 1/4 NAMUR</td><td>Stainless Steel</td><td>NBR</td></tr> </tbody> </table> <p style="font-size: 8px; margin-top: 5px;"> * Valve with non-lockable manual override ** Upgradeable valve, can be updated with non-lockable manual override *** valve with proximity switch Cartridges can be run with housings out of brass, stainless steel or aluminium </p>	Type	Connection	Material	Sealing	1025160	CARTRIDGE	Brass	NBR	1025346	CARTRIDGE	Brass	FKM	1025347	CARTRIDGE	Brass	VMQ	1025354	CARTRIDGE	Stainless Steel	NBR	1160002	CARTRIDGE	Brass	NBR	1160003	CARTRIDGE	Stainless Steel	FKM	1160004	CARTRIDGE	Stainless Steel	VMQ	1160005	CARTRIDGE	Stainless Steel	NBR	1025212**	G 1/4 NAMUR +P	Stainless Steel	NBR	1025226*	1/4 NPT	Brass	VMQ	1025227	1/4 NPT	Stainless Steel	FKM	1025254**	1/4 NPT NAMUR	Aluminium	NBR	10253828**	1/4 NPT NAMUR +P	Stainless Steel	NBR	1025352***	G 1/4 NAMUR +P	Aluminium	NBR	1025358	G 1/4 NAMUR only flangeable	Stainless Steel	FKM	1025359	1/4 NPT, NAMUR only flangeable	Stainless Steel	FKM	1025374	G 1/4	Stainless Steel	FKM	1025379**	1/4 NPT NAMUR	Aluminium	VMQ	1025383**	1/4 NPT NAMUR +P	Aluminium	NBR	1025384***	1/4 NPT NAMUR +P	Aluminium	NBR	1025390**	G 1/4 NAMUR +P	Aluminium	VMQ	2401103	G 1/4	Brass	NBR	2401106	1/4 NPT	Brass	VMQ	2401107*	G 1/4	Brass	NBR	2401109**	G 1/4 NAMUR +P	Aluminium	NBR	2401112	1/4 NPT	Stainless Steel	NBR	2401116**	G 1/4 NAMUR	Aluminium	NBR	2401126	G 1/4	Brass	FKM	2401131	1/4 NPT	Brass	FKM	2401133**	G 1/4 NAMUR	Aluminium	VMQ	2401138	1/4 NPT	Brass	NBR	2401140*	1/4 NPT	Brass	NBR	2401148*	1/4 NPT	Brass	NBR	2401149	G 1/4	Brass	NBR	2401153	G 1/4	Brass	VMQ	2401154*	G 1/4	Brass	VMQ	2401186	G 1/4	Stainless Steel	NBR	2401187	1/4 NPT	Brass	NBR	2401190**	G 1/4 NAMUR	Aluminium	NBR	2401191**	G 1/4 NAMUR	Aluminium	NBR	2401196**	G 1/4 NAMUR	Stainless Steel	NBR	-	968/V 1141.02/23	<i>Valid</i>
Type	Connection	Material	Sealing																																																																																																																																																																									
1025160	CARTRIDGE	Brass	NBR																																																																																																																																																																									
1025346	CARTRIDGE	Brass	FKM																																																																																																																																																																									
1025347	CARTRIDGE	Brass	VMQ																																																																																																																																																																									
1025354	CARTRIDGE	Stainless Steel	NBR																																																																																																																																																																									
1160002	CARTRIDGE	Brass	NBR																																																																																																																																																																									
1160003	CARTRIDGE	Stainless Steel	FKM																																																																																																																																																																									
1160004	CARTRIDGE	Stainless Steel	VMQ																																																																																																																																																																									
1160005	CARTRIDGE	Stainless Steel	NBR																																																																																																																																																																									
1025212**	G 1/4 NAMUR +P	Stainless Steel	NBR																																																																																																																																																																									
1025226*	1/4 NPT	Brass	VMQ																																																																																																																																																																									
1025227	1/4 NPT	Stainless Steel	FKM																																																																																																																																																																									
1025254**	1/4 NPT NAMUR	Aluminium	NBR																																																																																																																																																																									
10253828**	1/4 NPT NAMUR +P	Stainless Steel	NBR																																																																																																																																																																									
1025352***	G 1/4 NAMUR +P	Aluminium	NBR																																																																																																																																																																									
1025358	G 1/4 NAMUR only flangeable	Stainless Steel	FKM																																																																																																																																																																									
1025359	1/4 NPT, NAMUR only flangeable	Stainless Steel	FKM																																																																																																																																																																									
1025374	G 1/4	Stainless Steel	FKM																																																																																																																																																																									
1025379**	1/4 NPT NAMUR	Aluminium	VMQ																																																																																																																																																																									
1025383**	1/4 NPT NAMUR +P	Aluminium	NBR																																																																																																																																																																									
1025384***	1/4 NPT NAMUR +P	Aluminium	NBR																																																																																																																																																																									
1025390**	G 1/4 NAMUR +P	Aluminium	VMQ																																																																																																																																																																									
2401103	G 1/4	Brass	NBR																																																																																																																																																																									
2401106	1/4 NPT	Brass	VMQ																																																																																																																																																																									
2401107*	G 1/4	Brass	NBR																																																																																																																																																																									
2401109**	G 1/4 NAMUR +P	Aluminium	NBR																																																																																																																																																																									
2401112	1/4 NPT	Stainless Steel	NBR																																																																																																																																																																									
2401116**	G 1/4 NAMUR	Aluminium	NBR																																																																																																																																																																									
2401126	G 1/4	Brass	FKM																																																																																																																																																																									
2401131	1/4 NPT	Brass	FKM																																																																																																																																																																									
2401133**	G 1/4 NAMUR	Aluminium	VMQ																																																																																																																																																																									
2401138	1/4 NPT	Brass	NBR																																																																																																																																																																									
2401140*	1/4 NPT	Brass	NBR																																																																																																																																																																									
2401148*	1/4 NPT	Brass	NBR																																																																																																																																																																									
2401149	G 1/4	Brass	NBR																																																																																																																																																																									
2401153	G 1/4	Brass	VMQ																																																																																																																																																																									
2401154*	G 1/4	Brass	VMQ																																																																																																																																																																									
2401186	G 1/4	Stainless Steel	NBR																																																																																																																																																																									
2401187	1/4 NPT	Brass	NBR																																																																																																																																																																									
2401190**	G 1/4 NAMUR	Aluminium	NBR																																																																																																																																																																									
2401191**	G 1/4 NAMUR	Aluminium	NBR																																																																																																																																																																									
2401196**	G 1/4 NAMUR	Stainless Steel	NBR																																																																																																																																																																									



Revision List

referred to on Certificate No.: 968/V 1141.01/22
**Certified Product: Electromagnetic Control Valves with
 Safety Function, Series 2401x**



Type Designation	Description	HW / SW Revision	Report-No.:	Certification Status																																																												
	<p>Type 24010xx with solenoid Type 2004</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Type</th> <th>Connection</th> <th>Material</th> <th>Sealing</th> </tr> </thead> <tbody> <tr><td>1025339**</td><td>¼ NPT NAMUR +P</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>1025353***</td><td>G ¼ NAMUR +P</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>1025388***</td><td>¼ NPT NAMUR +P</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>2401009**</td><td>G ¼ NAMUR +P</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>2401012</td><td>¼ NPT</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>2401017**</td><td>G ¼ NAMUR</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>2401070*</td><td>G ¼</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>2401086</td><td>G ¼</td><td>Stainless Steel</td><td>NBR</td></tr> <tr><td>2401087</td><td>¼ NPT</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401088</td><td>G ¼</td><td>Brass</td><td>NBR</td></tr> <tr><td>2401090**</td><td>¼ NPT NAMUR</td><td>Aluminium</td><td>NBR</td></tr> <tr><td>2401091**</td><td>G ¼ NAMUR</td><td>Aluminium</td><td>NBR</td></tr> </tbody> </table> <p>* Valve with non-lockable manual overdrive ** Upgradeable valve, can be updated with non-lockable manual overdrive *** Valve with proximity switch</p> <p><i>Valve 2401070 with solenoid type 2055, 2056, 2057, 2058 for usage in semi-automatic function.</i></p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th>Type</th> <th>Connection</th> <th>Material</th> <th>Sealing</th> </tr> </thead> <tbody> <tr> <td>2401070*</td> <td>G ¼</td> <td>Stainless Steel</td> <td>NBR</td> </tr> </tbody> </table> <p>* Valve with non-lockable manual overdrive</p>	Type	Connection	Material	Sealing	1025339**	¼ NPT NAMUR +P	Stainless Steel	NBR	1025353***	G ¼ NAMUR +P	Aluminium	NBR	1025388***	¼ NPT NAMUR +P	Stainless Steel	NBR	2401009**	G ¼ NAMUR +P	Aluminium	NBR	2401012	¼ NPT	Stainless Steel	NBR	2401017**	G ¼ NAMUR	Aluminium	NBR	2401070*	G ¼	Stainless Steel	NBR	2401086	G ¼	Stainless Steel	NBR	2401087	¼ NPT	Brass	NBR	2401088	G ¼	Brass	NBR	2401090**	¼ NPT NAMUR	Aluminium	NBR	2401091**	G ¼ NAMUR	Aluminium	NBR	Type	Connection	Material	Sealing	2401070*	G ¼	Stainless Steel	NBR			
Type	Connection	Material	Sealing																																																													
1025339**	¼ NPT NAMUR +P	Stainless Steel	NBR																																																													
1025353***	G ¼ NAMUR +P	Aluminium	NBR																																																													
1025388***	¼ NPT NAMUR +P	Stainless Steel	NBR																																																													
2401009**	G ¼ NAMUR +P	Aluminium	NBR																																																													
2401012	¼ NPT	Stainless Steel	NBR																																																													
2401017**	G ¼ NAMUR	Aluminium	NBR																																																													
2401070*	G ¼	Stainless Steel	NBR																																																													
2401086	G ¼	Stainless Steel	NBR																																																													
2401087	¼ NPT	Brass	NBR																																																													
2401088	G ¼	Brass	NBR																																																													
2401090**	¼ NPT NAMUR	Aluminium	NBR																																																													
2401091**	G ¼ NAMUR	Aluminium	NBR																																																													
Type	Connection	Material	Sealing																																																													
2401070*	G ¼	Stainless Steel	NBR																																																													



Revision List

referred to on Certificate No.: 968/V 1141.01/22
Certified Product: Electromagnetic Control Valves with
Safety Function, Series 2401x



Manufacturing Locations

Manufacturer	Report-No.:	Certification Status
Norgren GmbH Stuttgarter Str. 120 70736 Fellbach Germany	968/V 1141.00/20	<i>Expired</i>
IMI International s.r.o. Evropska 862 664 42 Modrice Czech Republic	968/V 1141.01/22	<i>Valid</i>

Safety Manual / User documentation

Document No.	Description	Report-No.:	Certification Status
7503649000000006	Safety Manual – Rev. B – 2020-09-09	968/V 1141.01/22	<i>Valid</i>

The content of this Revision List has been agreed between Manufacturer and Certification Body.

Revision:

Date	Rev.	Description / Changes	Author
2022-10-21	1.0	Initial creation, based on Report-No.: 968/V 1141.01/22	Komberg / A-FS&CS
2023-03-30	2.0	Device description corrections, based on Report-No.: 968/V 1141.02/23	Komberg / A-FS&CS

IMI International s.r.o.
Evropska 852
664 42 Modrice / Czech Republic

TÜV Rheinland Industrie Service GmbH
Automation - Functional Safety & Cyber Security (A-FS & CS)
Am Grauen Stein

51105 Köln / Germany