


IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product	Motor protective switching devices (MPSD)
Name and address of the applicant	LOVATO ELECTRIC S.p.A. Via Don E. Mazza, 12 24020 Gorle (BG) Italy
Name and address of the manufacturer	LOVATO ELECTRIC S.p.A. Via Don E. Mazza, 12 24020 Gorle (BG) Italy
Name and address of the factory	<input type="checkbox"/> Additional information on page 2 LOVATO ELECTRIC S.p.A. Via Don E. Mazza, 12 24020 Gorle (BG) Italy
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	Three-poles; Utilization category: AC-3 or AC-3e; Rated operational voltage: 400 V / 440 V / 500 V / 690 V; Rated insulation voltage: 690 V; Rated impulse withstand voltage: 6 kV (see also pages from 6 to 11, 13 and 14 of Test Report PB20-0055554-01-00 and Additional Sheet)
Trademark (if any)	 Lovato
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model / Type Ref.	SM1R series and SM1P series (see also pages 13 and 14 of Test Report PB20-0055554-01-00 and Additional Sheet)
Additional information (if necessary may also be reported on page 2)	<input type="checkbox"/> Additional information on page 2
A sample of the product was tested and found to be in conformity with	IEC 60947-1:2007, IEC 60947-1:2007/AMD1:2010, IEC 60947-1:2007/AMD2:2014, IEC 60947-4-1:2018 <b>National differences:</b> EU Group Differences
As shown in the Test Report Ref. No. which forms part of this Certificate	PB20-0055554-01-00 and from PB20-0055554-01-01 to PB20-0055554-01-12

This CB Test Certificate is issued by the National Certification Body

IMQ S.p.A.  
Via Quintiliano 43, IT-20138 Milano, Italy

**Description of the type reference of the motor protective switching devices**  
**SM1R series and SM1P series and their relevant electrical ratings (continues on next page)**

Series	Actuating method	Utilization category	Type reference (1)	$I_e$	$U_e = 400\text{ V}$		$U_e = 440\text{ V}$		$U_e = 500\text{ V}$		$U_e = 690\text{ V}$		
					$I_{cu}$	$I_{cs}$	$I_{cu}$	$I_{cs}$	$I_{cu}$	$I_{cs}$	$I_{cu}$	$I_{cs}$	
SM1R	Rotary	AC-3e	SM1R 0016	0,1 to 0,16 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	
			SM1RM 0016										
			SM1R 0025	0,16 to 0,25 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1RM 0025										
			SM1R 0040	0,25 to 0,4 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1RM 0040										
			SM1R 0063	0,4 to 0,63 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1RM 0063										
			SM1R 0100	0,63 to 1 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1RM 0100										
			SM1R 0160	1 to 1,6 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1RM 0160										
			SM1R 0250	1,6 to 2,5 A	100 kA	100 kA	-	-	-	-	10 kA	10 kA	
			SM1RM 0250										
			SM1R 0400	2,5 to 4 A	100 kA	100 kA	-	-	-	-	4 kA	2 kA	
			SM1RM 0400										
			SM1R 0650	4 to 6,5 A	100 kA	100 kA	-	-	-	-	4 kA	2 kA	
			SM1RM 0650										
			SM1R 1000	6,3 to 10 A	100 kA	100 kA	-	-	-	-	-	-	
			SM1RM 1000										
SM1R 1400	9 to 14 A	100 kA	100 kA	-	-	-	-	-	-				
SM1RM 1400													
SM1R 1800	13 to 18 A	100 kA	100 kA	-	-	-	-	-	-				
SM1RM 1800													
SM1R 2300	17 to 23 A	25 kA	25 kA	-	-	-	-	-	-				
SM1RM 2300													
SM1R 2500	20 to 25 A	25 kA	25 kA	-	-	-	-	-	-				
SM1RM 2500													
SM1R 3200	24 to 32 A	25 kA	25 kA	-	-	-	-	-	-				
SM1RM 3200													

(1) – The motor protective switching devices type reference SM1RM... are constructively identical to the motor protective switching devices type reference SM1R... with the exception of the removal of thermal overload tripping relay.

**Description of the type reference of the motor protective switching devices**
**SM1R series and SM1P series and their relevant electrical ratings (continued from previous page)**

Series	Actuating method	Utilization category	Type reference	$I_e$	$U_e = 400\text{ V}$		$U_e = 440\text{ V}$		$U_e = 500\text{ V}$		$U_e = 690\text{ V}$			
					$I_{cu}$	$I_{cs}$	$I_{cu}$	$I_{cs}$	$I_{cu}$	$I_{cs}$	$I_{cu}$	$I_{cs}$		
SM1P	Push-button	AC-3	SM1P 0016	0,1 to 0,16 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	
			SM1P 0025	0,16 to 0,25 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1P 0040	0,25 to 0,4 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1P 0063	0,4 to 0,63 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1P 0100	0,63 to 1 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1P 0160	1 to 1,6 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA
			SM1P 0250	1,6 to 2,5 A	100 kA	100 kA	-	-	-	-	3 kA	3 kA		
			SM1P 0400	2,5 to 4 A	100 kA	100 kA	-	-	-	-	3 kA	3 kA		
			SM1P 0650	4 to 6,5 A	100 kA	100 kA	-	-	-	-	3 kA	3 kA		
			SM1P 1000	6,3 to 10 A	100 kA	100 kA	-	-	-	-	3 kA	3 kA		
			SM1P 1400	9 to 14 A	25 kA	12,5 kA	-	-	-	-	-	-		
			SM1P 1800	13 to 18 A	25 kA	12,5 kA	-	-	-	-	-	-		
			SM1P 2300	17 to 23 A	15 kA	5 kA	-	-	-	-	-	-		
			SM1P 2500	20 to 25 A	15 kA	5 kA	-	-	-	-	-	-		
			SM1P 3200	24 to 32 A	10 kA	5 kA	-	-	-	-	-	-		
			SM1P 4000	30 to 40 A	10 kA	5 kA	-	-	-	-	-	-		
SM1PF 0020	0,2 A	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA	100 kA		