

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS SMOTICS CONTROL OF THE PROPERTY OF T																		
Motor type : 1CV4280A						SIMOTICS SD - 280 S - IM B3 - 2p					-							
Client order no.						Item-No.					Offe	Offer no.						
Order no.					C	Consignment no.					Proje	Project						
Remarks					I_						Saf	e Area	1					
Electrical data											-/-							
U	Δ/Υ	f	Р	Р	I	n	М		η 3)	I		cosφ		I _A /I _N	M _A /M _N	M _K /M _N	IE-CL	
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N		
415	Δ	50	75.00	-/-	121.00	2978	L duty (S1) 240.0	95.6 - 180(F	95.8	95.6	0.90	0.88	0.83	8.5	2.8	3.2	IE4	
413	Δ	30	75.00	-1-	121.00	2976	240.0	95.0	93.6	93.0	0.90	0.88	0.63	0.5	2.0	3.2	IE4	
480	Δ	60	75.00	-/-	106.00	3582	200.0	95.0	94.8	94.0	0.90	0.88	0.82	9.5	3.2	3.5	IE4	
480	Δ	60	84.00	-/-	118.00	3580	225.0	95.4	95.4	94.8	0.90	0.90	0.85	8.5	2.9	3.1	IE4	
IM B3 / I	M1001	F .	FS 280 S		20.00					IEC, DIN, IS			-1> -2:	1 - 1 50 1	2 -			
			onmental o	conditions	: -20 ℃	+ ~C / 100	υ m			Loc	cked rote	or time	(hot / col	a):34.	ıs 52.9	9 S		
Mecha	nical d	ata																
Sound level (SPL / SWL) at 50Hz 60Hz 73 / 87 dB(A) ^{2) 3)} 76 / 90 dB(A) ^{2) 3}							90 dB(A) ^{2) 3)}	External earthing terminal						(Sta	andard) Y	es		
Momer	nt of ine	rtia			0.	7970 kg m²		Vibra	ation seve	erity grad	e	Grade A						
	DE NI		(11)		315 C3 S0						Н							
(N)			e on (N)	5	x ₀ : 300	x _{0,5} : x _{max} : Duty type						S1						
	g lifetin		ng operation			Direction of rotation					bidirectional							
		Coupiiii	ng operation		40000 h	32000 h Frame material						cast iron						
Lubricants						Net weight of the motor					or	556 kg						
31					, , , , , , , , , , , , , , , , , , ,	e lubricating nipple Coating (paint finish)					Special paint finish C3 RAL7030							
					0x1 DIN 3404 A Color, paint shade					RAL/030 3 PTC thermistors - for tripping (2 terminals)								
		ainage h	noles			ting bearing NDE Motor protection Standard) Yes Method of cooling						3 PIC thermistors - for tripping (2 terminals) IC411 - self ventilated, surface cooled						
			10103		(50	andara) res	•	Wicti	100 01 00	omig			10111	Jen vei	Titilatea, 3	difface co	Joicu	
	nal box																	
·						oox at the top Max. cross-sectional area												
Material of terminal box					cast iron Cable diameter from to TB4N01 Cable entry					. to	2xM63x1,5 - 2xM20x1,5							
Type of terminal box Contact screw thread					6xM10 Cable gland							•	ZXIVIO3X	-/-	2UX1,5			
$M_A/M_N = loc$	cked rotor t	torque / toro	ent nominal que nominal minal torque		L _{10mh} according at rated power		10/2010			3) V	alue is valid	only for D0	OL operation wi	th motor de	esign IC411			
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	ype :1CV4280A		SIMOTICS	SD - 280 S - IM	вз - 2р				
pecial	design								
11	Stainless steel rating	plate		Q82	Extension of to months (3 year	he liability t ars) from de	for defects by 24 mont elivery	hs to a tota:	l of 36
11	Temperature class 18	80(H), and coolant temp	perature max. 60°C	S02	Special paint f		,		
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