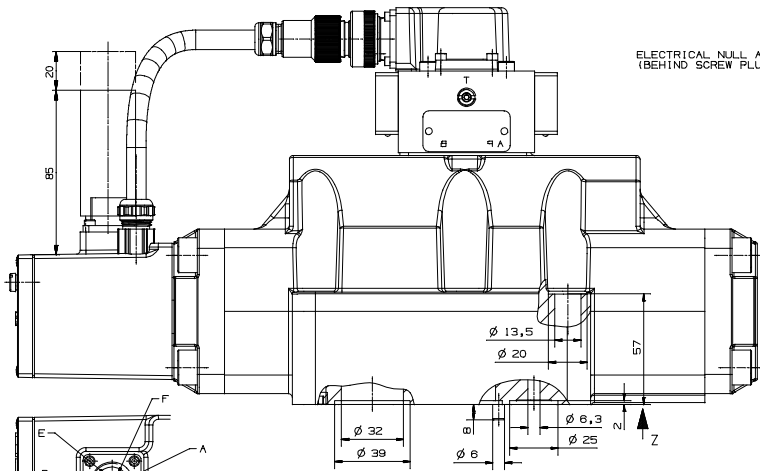


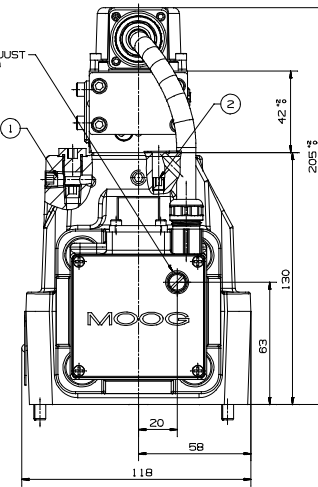
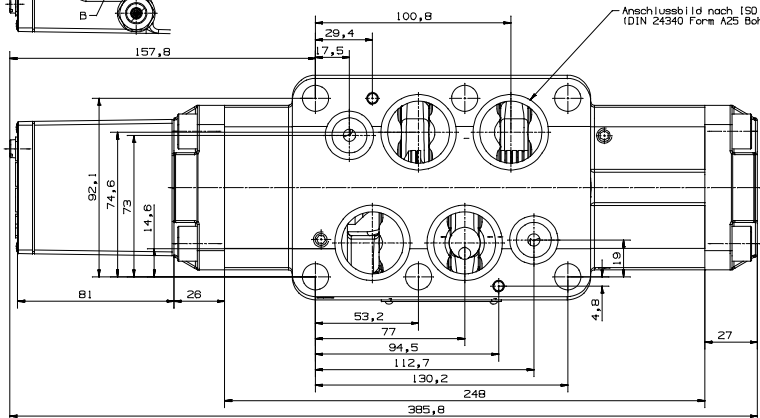
CONVERSION INSTRUCTION

PILOT FLOW SUPPLY	SET SCREW NPTF 1/16	PILOT FLOW RETURN	SET SCREW M 6 CONICAL
INTERNAL P	OPEN	INTERNAL T*	OPEN
EXTERNAL X	CLOSED	EXTERNAL	CLOSED



ELECTRICAL NULL ADJUST (BEHIND SCREW PLUS)

Mechlussbild nach ISO 4401-09-07-0-94 (DIN 24340 Form A25 Bohrung ϕ 32)



TECHNICAL DATA

OPERATING PRESSURE
 MAIN STAGE PORT P, A, B MAX 350 BAR
 PORT T 210 BAR (V EXTERNAL 350 BAR)
 PILOT VALVE D081-B 15 TO 220 BAR ; WITH DROPPING ORIFICE MAX 350 BAR

OPERATING FLUID
 VISCOSITY RECOMMENDED MINERAL OIL BASED HYDRAULIC FLUID (DIN 51524, PART 1 TO 3)
 ALLOWABLE 15 TO 45 MM²/S
 5 TO 400 MM²/S

FILTER RATING
 FOR NORMAL OPERATION $\beta_{10} > 75$ (15 μ m ABSOLUTE)
 FOR LONGER LIFE $\beta_{10} > 75$ (10 μ m ABSOLUTE)

RECOMMENDED CLEANLINESS CLASS
 FOR NORMAL OPERATION ISO 4408 <19/18/13
 FOR LONGER LIFE ISO 4408 <17/14/11

TEMPERATURE RANGE
 AMBIENT -20°C TO +80°C
 FLUID -20°C TO +80°C

SEAL MATERIAL NBR (OTHERS ON REQUEST)

O-RINGS MOOG P/N XXXXX-113 (1034,8 x ϕ 2,8) (4x)
 MOOG P/N XXXXX-135 (1020,23x ϕ 2,8) (2x)

MOUNTING SURFACE ROUGHNESS RA BETTER THAN 0,8 μ m
 FLATNESS 0,01MM OVER A DISTANCE OF 100MM

MOUNTING BOLTS M1,2x75 EN ISO 4762-10.9 (NOT INCLUDED IN DELIVERY)

RATED FLOW 94 Nm D663 D664
 350L/MIN 550L/MIN AT Δ P.V. = 5 BAR PER LAND
 1 x 4,5 MM 1 x 6 MM
 t 5 MM t 7 MM

MAIN SPOOL STROKE EN0529 IP65 (WITH MATING CONNECTOR MOUNTED)

STROKE LIMIT SEE TABLE

DEGREE OF PROTECTION

SPOOL POSITION

GENERAL REQUIREMENTS

C41088

CONNECTOR z.B. S = 6+PE

SIGNAL TYPE z.B. A = \pm 10V INPUT \pm 10V OUTPUT

SUPPLY VOLTAGE VALVE ELECTRONIC 015 = \pm 15V
 024 = 24V

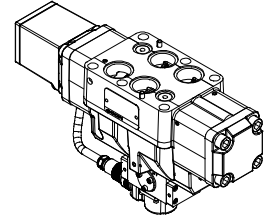
FAILSAFE FUNCTION OF VALVE ELECTRONIC SEE CATALOGUE OR DATA SHEET AM350
 z.B. 0 = NO ENABLE INPUT

TYPE DESIGNATION

C41489

HYDRAULIC SCHEMATIC DWG-NO B90747

MAIN SPOOL TYPE



TYPE DESIGNATION	SYSTEM PRESSURE	PILOT PRESSURE AT INTERNAL P/T	SPOOL POSITION	VALVE ELECTRONICS
O	\geq 15 BAR	\geq 15 BAR	UNDEFINED	
F	\geq 15 BAR	\geq 15 BAR	P \rightarrow B, A \rightarrow T	ON OR OFF RELEASER
D	\geq 15 BAR	\geq 15 BAR	P \rightarrow B, A \rightarrow T	RELEASER
D	\geq 15 BAR	\geq 15 BAR	P \rightarrow A, B \rightarrow T	ON OR OFF RELEASER
D	\geq 15 BAR	\geq 15 BAR	P \rightarrow A, B \rightarrow T	RELEASER
M	\geq 15 BAR	\geq 15 BAR	SPOOL POSITION "M"	ON OR OFF RELEASER
M	\geq 15 BAR	\geq 15 BAR	SPOOL POSITION "M"	RELEASER

Rev.	Description	Qty.	Part-No.	Mat./ Rough dim/ Info
1	Release otherwise specified tolerating principle to DIN ISO 2768- ϕ			
2	Dimensions: ϕ 32,00, Angular: 0,25°			
3	Surface treatment:			
4	Process:			
5	Surface treatment:			
6	Layer thickness:			
7	Surface quality to ISO 1302:			
8	Non dimensional roughness edges to ISO 1302:			

2023 Date Name Date Name Description
 Pres. (1/1) MW (001) INSTALLATION DRAWING
 Check (2/2/2) MW (001) 31.8.2020 31.8.2020 31.8.2020 31.8.2020
 M.P. Norm
 M.M. (001)

MOOG
 88811ngn@moog.com
 88811ngn@moog.com
 This is a CAD drawing and must not be edited by hand!

Installation Drawing
 3 STAGE PROPORTIONAL VALVE
 SERIES D663/4-P PILOT VALVE D630
 Drawing-No.: C41489